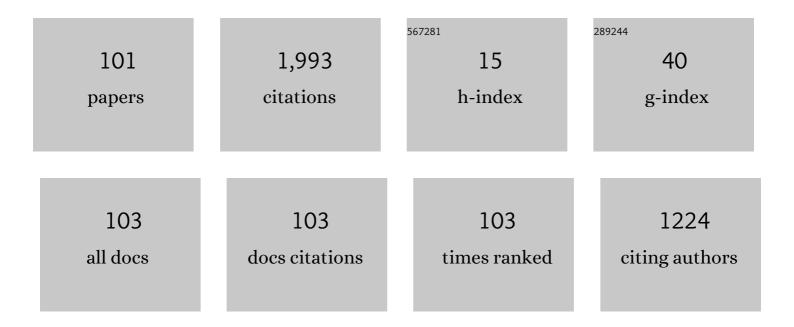
List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4838594/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Noiseless Privacy: Definition, Guarantees, and Applications. IEEE Transactions on Big Data, 2023, 9, 51-62.	6.1	4
2	Do Auto-Regressive Models Protect Privacy? Inferring Fine-Grained Energy Consumption From Aggregated Model Parameters. IEEE Transactions on Services Computing, 2022, 15, 3198-3209.	4.6	2
3	When Machine Learning Meets Privacy. ACM Computing Surveys, 2022, 54, 1-36.	23.0	148
4	Structured Preconditioning of Conjugate Gradients for Path-Graph Network Optimal Control Problems. IEEE Transactions on Automatic Control, 2022, 67, 4115-4122.	5.7	0
5	Bounded Estimation Over Finite-State Channels: Relating Topological Entropy and Zero-Error Capacity. IEEE Transactions on Automatic Control, 2022, 67, 4029-4044.	5.7	2
6	Zero-Error Feedback Capacity for Bounded Stabilization and Finite-State Additive Noise Channels. IEEE Transactions on Information Theory, 2022, 68, 6335-6355.	2.4	6
7	Privacy-Preserving Public Release of Datasets for Support Vector Machine Classification. IEEE Transactions on Big Data, 2021, 7, 893-899.	6.1	8
8	Feedback control using a strategic sensor. International Journal of Control, 2021, 94, 1-6.	1.9	1
9	Secure Networked Control Systems Design Using Semi-homomorphic Encryption. Lecture Notes in Control and Information Sciences, 2021, , 257-285.	1.0	Ο
10	On Privacy of Dynamical Systems: An Optimal Probabilistic Mapping Approach. IEEE Transactions on Information Forensics and Security, 2021, 16, 2608-2620.	6.9	9
11	Using Rényi-divergence and Arimoto-Rényi Information to Quantify Membership Information Leakage. , 2021, , .		Ο
12	Measuring Information Leakage in Non-stochastic Brute-Force Guessing. , 2021, , .		1
13	Non-Stochastic Private Function Evaluation. , 2021, , .		1
14	Why Does Regularization Help with Mitigating Poisoning Attacks?. Neural Processing Letters, 2021, 53, 2933-2945.	3.2	3
15	A Linear Reduction Method for Local Differential Privacy and Log-lift. , 2021, , .		3
16	A game-theoretic approach to adversarial linear Gaussian classification. IFAC Journal of Systems and Control, 2021, 17, 100163.	1.7	1
17	The Cost of Privacy in Asynchronous Differentially-Private Machine Learning. IEEE Transactions on Information Forensics and Security, 2021, 16, 2118-2129.	6.9	7
18	Rigid-Profile Input Scheduling Under Constrained Dynamics With a Water Network Application. IEEE Transactions on Control Systems Technology, 2021, 29, 2457-2472.	5.2	0

#	Article	IF	CITATIONS
19	Gradient Sparsification Can Improve Performance of Differentially-Private Convex Machine Learning. , 2021, , .		1
20	Structured computation of optimal controls for constrained cascade systems. International Journal of Control, 2020, 93, 30-39.	1.9	6
21	Optimal contract design for effort-averse sensors. International Journal of Control, 2020, 93, 738-745.	1.9	4
22	An Explicit Formula for the Zero-Error Feedback Capacity of a Class of Finite-State Additive Noise Channels. , 2020, , .		5
23	Temporally Discounted Differential Privacy for Evolving Datasets on an Infinite Horizon. , 2020, , .		10
24	The Value of Collaboration in Convex Machine Learning with Differential Privacy. , 2020, , .		49
25	Deconvoluting kernel density estimation and regression for locally differentially private data. Scientific Reports, 2020, 10, 21361.	3.3	4
26	Federated Learning With Differential Privacy: Algorithms and Performance Analysis. IEEE Transactions on Information Forensics and Security, 2020, 15, 3454-3469.	6.9	773
27	Secure and Private Implementation of Dynamic Controllers Using Semihomomorphic Encryption. IEEE Transactions on Automatic Control, 2020, 65, 3950-3957.	5.7	37
28	Developing Non-Stochastic Privacy-Preserving Policies Using Agglomerative Clustering. IEEE Transactions on Information Forensics and Security, 2020, , 1-1.	6.9	5
29	Implementing homomorphic encryption based secure feedback control. Control Engineering Practice, 2020, 97, 104350.	5.5	21
30	Privacy-Preserving Constrained Quadratic Optimization With Fisher Information. IEEE Signal Processing Letters, 2020, 27, 545-549.	3.6	3
31	Review of results on smartâ€meter privacy by data manipulation, demand shaping, and load scheduling. IET Smart Grid, 2020, 3, 605-613.	2.2	22
32	Information-Theoretic Privacy Through Chaos Synchronization and Optimal Additive Noise. , 2020, , 103-129.		6
33	Linear quadratic control computation for systems with a directed tree structure. IFAC-PapersOnLine, 2020, 53, 6536-6541.	0.9	0
34	Privacy Against State estimation: An Optimization Framework based on the Data Processing Inequality. IFAC-PapersOnLine, 2020, 53, 7368-7373.	0.9	1
35	A Fundamental Bound on Performance of Non-Intrusive Load Monitoring Algorithms with Application to Smart-Meter Privacy. IFAC-PapersOnLine, 2020, 53, 2280-2285.	0.9	2
36	Private routing and rideâ€sharing using homomorphic encryption. IET Cyber-Physical Systems: Theory and Applications, 2020, 5, 311-320.	3.3	3

#	Article	IF	CITATIONS
37	Nonâ€stochastic hypothesis testing for privacy. IET Information Security, 2020, 14, 754-763.	1.7	1
38	Optimal Stochastic Evasive Maneuvers Using the Schrödinger's Equation. , 2019, 3, 517-522.		1
39	Development and Analysis of Deterministic Privacy-Preserving Policies Using Non- Stochastic Information Theory. IEEE Transactions on Information Forensics and Security, 2019, 14, 2567-2576.	6.9	11
40	State Estimation via Worst-Case Erasure and Symmetric Channels with Memory. , 2019, , .		5
41	Non-Stochastic Hypothesis Testing with Application to Privacy Against Hypothesis-Testing Adversaries. , 2019, , .		5
42	Optimal control computation for cascade systems by structured Jacobi iterations. IFAC-PapersOnLine, 2019, 52, 291-296.	0.9	4
43	Ensuring privacy with constrained additive noise by minimizing Fisher information. Automatica, 2019, 99, 275-288.	5.0	38
44	Towards Encrypted MPC for Linear Constrained Systems. , 2018, 2, 195-200.		82
45	Drug-induced thrombocytopenia after anticoagulation with rivaroxaban. American Journal of Emergency Medicine, 2018, 36, 531.e1-531.e2.	1.6	9
46	Information Patterns in the Modeling and Design of Mobility Management Services. Proceedings of the IEEE, 2018, 106, 554-576.	21.3	21
47	Fisher Information as a Measure of Privacy: Preserving Privacy of Households With Smart Meters Using Batteries. IEEE Transactions on Smart Grid, 2018, 9, 4726-4734.	9.0	53
48	Security Versus Privacy. , 2018, , .		8
49	Secure Control of Nonlinear Systems Using Semi-Homomorphic Encryption. , 2018, , .		22
50	Bilateral Trade Under Information Asymmetry and Quantized Measurements. , 2018, , .		1
51	Estimation and Control over a Nonstochastic Binary Erasure Channel. IFAC-PapersOnLine, 2018, 51, 265-270.	0.9	6
52	On Privacy of Quantized Sensor Measurements through Additive Noise. , 2018, , .		11
53	Compressive Sensing in Fault Detection. , 2018, , .		0
54	Faithful Implementations of Distributed Algorithms and Control Laws. IEEE Transactions on Control of Network Systems, 2017, 4, 191-201.	3.7	10

#	Article	IF	CITATIONS
55	Estimation With Strategic Sensors. IEEE Transactions on Automatic Control, 2017, 62, 724-739.	5.7	44
56	Security analysis of cyberâ€physical systems using norm. IET Control Theory and Applications, 2017, 11, 1749-1755.	2.1	20
57	Secure and private control using semi-homomorphic encryption. Control Engineering Practice, 2017, 67, 13-20.	5.5	118
58	Private and Secure Coordination of Match-Making for Heavy-Duty Vehicle Platooning * *The work of F. Farokhi and I. Shames was supported by a McKen-zie Fellowship and a grant (MyIP: ID6874) from Defence Science and Technology Group (DSTG). The work of K.H. Johansson was supported by Knut och Alice Wallenbergs Foundation (KAW), Swedish Foundation for Strategic Research (SSF), and Swedish Research Council (VR). IFAC-PapersOnLine, 2017, 50, 7345-7350.	0.9	5
59	Optimal privacy-preserving policy using constrained additive noise to minimize the fisher information. , 2017, , .		16
60	Preserving Privacy of Finite Impulse Response Systems. , 2017, 1, 128-133.		10
61	A scalable QP solver for optimal control of cascades with constraints. , 2016, , .		1
62	A game-theoretic approach to distributed scheduling of rigid demands on dynamical systems. , 2016, , .		2
63	Preserving privacy of agents in participatory-sensing schemes for traffic estimation. , 2016, , .		2
64	Privacy-Constrained Communication**The work of F. Farokhi was supported by a McKenzie Fellowship, ARC grant LP130100605, a grant from Melbourne School of Engineering. The work of G. Nair was supported by ARC grants DP140100819 and FT140100527 IFAC-PapersOnLine, 2016, 49, 43-48.	0.9	13
65	Secure and Private Cloud-Based Control Using Semi-Homomorphic Encryption**The work was, in part, supported by a McKenzie Fellowship, ARC grant LP130100605, and Defence Science and Technology Group through the Research Agreement My IP:6288 IFAC-PapersOnLine, 2016, 49, 163-168.	0.9	41
66	Optimal state estimation with measurements corrupted by Laplace noise. , 2016, , .		15
67	Guaranteed maximum power point tracking by scalar iterations with quadratic convergence rate. , 2016, , .		2
68	On reconstructability of quadratic utility functions from the iterations in gradient methods. Automatica, 2016, 66, 254-261.	5.0	4
69	Scheduling rigid demands on continuous-time linear shift-invariant systems. , 2015, , .		2
70	SiMpLIfy: A toolbox for structured model reduction. , 2015, , .		0
71	Promoting Truthful Behavior in Participatory-Sensing Mechanisms. IEEE Signal Processing Letters, 2015, 22, 1538-1542.	3.6	5
72	Cooperation patterns between fleet owners for transport assignments. , 2015, , .		2

#	Article	IF	CITATIONS
73	Quadratic Gaussian privacy games. , 2015, , .		19
74	Conditions and strategies for uniqueness of the solutions to cooperative localization and mapping problems using rigidity theory. , 2015, , .		2
75	A piecewise-constant congestion taxing policy for repeated routing games. Transportation Research Part B: Methodological, 2015, 78, 123-143.	5.9	24
76	Adaptive control design under structured model information limitation: A cost-biased maximum-likelihood approach. Systems and Control Letters, 2015, 75, 8-13.	2.3	1
77	Optimal Control Design Under Limited Model Information for Discrete-Time Linear Systems With Stochastically-Varying Parameters. IEEE Transactions on Automatic Control, 2015, 60, 684-699.	5.7	10
78	A Study of Truck Platooning Incentives Using a Congestion Game. IEEE Transactions on Intelligent Transportation Systems, 2014, , 1-15.	8.0	7
79	Gaussian cheap talk game with quadratic cost functions: When herding between strategic senders is a virtue. , 2014, , .		10
80	Stochastic Sensor Scheduling for Networked Control Systems. IEEE Transactions on Automatic Control, 2014, 59, 1147-1162.	5.7	17
81	Investigating the Interaction Between Traffic Flow and Vehicle Platooning Using a Congestion Game. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4170-4177.	0.4	4
82	Distributed MPC Via Dual Decomposition and Alternative Direction Method of Multipliers. Intelligent Systems, Control and Automation: Science and Engineering, 2014, , 115-131.	0.5	47
83	Decentralized Disturbance Accommodation with Limited Plant Model Information. SIAM Journal on Control and Optimization, 2013, 51, 1543-1573.	2.1	6
84	Optimal structured static state-feedback control design with limited model information for fully-actuated systems. Automatica, 2013, 49, 326-337.	5.0	27
85	A heterogeneous routing game. , 2013, , .		6
86	A faithful distributed implementation of dual decomposition and average consensus algorithms. , 2013, , .		13
87	Optimal H <inf>∞</inf> control design under model information limitations and state measurement constraints. , 2013, , .		0
88	Complexity reduction for parameter-dependent linear systems. , 2013, , .		0
89	Stochastic sensor scheduling with application to networked control. , 2013, , .		1
90	A game-theoretic framework for studying truck platooning incentives. , 2013, , .		22

6

#	Article	IF	CITATIONS
91	Networked Estimation using Sparsifying Basis Prediction*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 174-181.	0.4	0
92	Optimal disturbance accommodation with limited model information. , 2012, , .		2
93	Limited model information control design for linear discrete-time systems with stochastic parameters. , 2012, , .		3
94	Optimal state-feedback design for non-linear feedback-linearisable systems. IET Control Theory and Applications, 2011, 5, 323-333.	2.1	5
95	Control design with limited model information. , 2011, , .		5
96	A robust control-design method using Bode's ideal transfer function. , 2011, , .		3
97	Dynamic control design based on limited model information. , 2011, , .		5
98	Comparing Numerical Methods for Solving Nonlinear Fractional Order Differential Equations. , 2010, , 171-179.		0
99	Inverted U wave, a specific electrocardiographic sign of cardiac ischemia. American Journal of Emergency Medicine, 2007, 25, 235-237.	1.6	4
100	When the heart remembers. American Journal of Emergency Medicine, 2007, 25, 831-833.	1.6	3
101	Distributionally-robust machine learning using locally differentially-private data. Optimization Letters, 0, , 1.	1.6	2