

Parvathinathan Venkitasubramaniam

List of Publications by Year in descending order

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70
papers

835
citations

687363

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all docs

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docs citations

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times ranked

656
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-Driven Contract Design for Multi-Agent Systems With Collusion Detection. IEEE Signal Processing Letters, 2022, 29, 1002-1006.	3.6	0
2	Inferential Separation for Privacy: Irrelevant Statistics and Quantization. IEEE Transactions on Information Forensics and Security, 2022, 17, 2241-2255.	6.9	0
3	False Data Injection and Detection in LQG Systems: A Game Theoretic Approach. IEEE Transactions on Control of Network Systems, 2020, 7, 338-348.	3.7	31
4	Modeling and Detection of Future Cyber-Enabled DSM Data Attacks. Energies, 2020, 13, 4331.	3.1	5
5	Optimal Local Differentially Private Quantization. IEEE Transactions on Signal Processing, 2020, 68, 6509-6520.	5.3	1
6	Detecting Cyber Attack Under Quantitative Impact of Demand Side Management. , 2020, , .		0
7	Data-driven Contract Design. , 2019, , .		5
8	Privacy Aware Stochastic Games for Distributed End-User Energy Storage Sharing. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 82-95.	2.8	18
9	Relay Selection and Operation Control for Optimal Delay Anonymity Tradeoff in Anonymous Networks. IEEE Transactions on Control of Network Systems, 2018, 5, 607-617.	3.7	0
10	Optimal Multi-Source Inference Privacy " A Generalized Lloyd-Max Algorithm. , 2018, , .		2
11	Coupon Targeting Competition in Privacy Sensitive Market. , 2018, , .		1
12	Mutual-Information-Private Online Gradient Descent Algorithm. , 2018, , .		1
13	Optimal Distribution Mapping for Inference Privacy. , 2018, , .		2
14	Compressive sensing based structural damage detection and localization using theoretical and metaheuristic statistics. Structural Control and Health Monitoring, 2017, 24, e1881.	4.0	22
15	Delay Anonymity Tradeoff in Mix Networks: Optimal Routing. IEEE/ACM Transactions on Networking, 2017, 25, 1162-1175.	3.8	4
16	Stealthy Control Signal Attacks in Linear Quadratic Gaussian Control Systems: Detectability Reward Tradeoff. IEEE Transactions on Information Forensics and Security, 2017, 12, 1555-1570.	6.9	58
17	Network topology risk assessment of stealthy cyber attacks on advanced metering infrastructure networks. , 2017, , .		11
18	Stealthy Attacks in Dynamical Systems: Tradeoffs Between Utility and Detectability With Application in Anonymous Systems. IEEE Transactions on Information Forensics and Security, 2017, 12, 779-792.	6.9	9

#	ARTICLE	IF	CITATIONS
19	A game theoretic approach to analyze false data injection and detection in LQG system. , 2017, , .		6
20	Stochastic games of end-user energy storage sharing. , 2016, , .		5
21	GPS spoofing attack characterization and detection in smart grids. , 2016, , .		33
22	Stealthy control signal attacks in vector LQG systems. , 2016, , .		9
23	Differential privacy in networked data collection. , 2016, , .		2
24	Anonymity and Fairness in Packet Scheduling: A Quantitative Tradeoff. IEEE/ACM Transactions on Networking, 2016, 24, 688-702.	3.8	5
25	Mitigating Timing Side Channel in Shared Schedulers. IEEE/ACM Transactions on Networking, 2016, 24, 1562-1573.	3.8	12
26	Optimal end user energy storage sharing in demand response. , 2015, , .		14
27	Stealthy control signal attacks in scalar LQG systems. , 2015, , .		4
28	Relay selection for optimal delay anonymity tradeoff in anonymous networks. , 2015, , .		0
29	Anonymity of Memory-Limited Chaum Mixes Under Timing Analysis: An Information Theoretic Perspective. IEEE Transactions on Information Theory, 2015, 61, 996-1009.	2.4	9
30	Information-Theoretic Security in Stochastic Control Systems. Proceedings of the IEEE, 2015, 103, 1914-1931.	21.3	20
31	The Privacy Analysis of Battery Control Mechanisms in Demand Response: Revealing State Approach and Rate Distortion Bounds. IEEE Transactions on Smart Grid, 2015, 6, 2417-2425.	9.0	22
32	Relay selection in wireless networks for optimal delay anonymity tradeoff. , 2015, , .		1
33	Iterative Spatial Compressive Sensing Strategy for Structural Damage Diagnosis as a BIG DATA Problem. Conference Proceedings of the Society for Experimental Mechanics, 2015, , 185-190.	0.5	7
34	Under the radar attacks in dynamical systems: Adversarial privacy utility tradeoffs. , 2014, , .		2
35	The privacy analysis of battery control mechanisms in demand response: Revealing state approach and rate distortion bounds. , 2014, , .		9
36	Encompassing anonymity in signaling games. , 2014, , .		1

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37	Rate allocation for Multihop routing in anonymous networking. , 2014, , .		1
38	On the privacy-cost tradeoff of an in-home power storage mechanism. , 2013, , .		3
39	Anonymity of a buffer constrained chaum mix: Optimal strategy and asymptotics. , 2013, , .		3
40	Privacy in stochastic control: A Markov Decision Process perspective. , 2013, , .		16
41	Admissible Length Study in Anonymous Networking: A Detection Theoretic Perspective. IEEE Journal on Selected Areas in Communications, 2013, 31, 1957-1969.	14.0	8
42	Maximizing privacy in Variable Bit rate Coding. , 2013, , .		1
43	Decision making under privacy restrictions. , 2013, , .		3
44	Preventing Timing Analysis in Networks: A Statistical Inference Perspective. IEEE Signal Processing Magazine, 2013, 30, 76-85.	5.6	5
45	Designing Router Scheduling Policies: A Privacy Perspective. IEEE Transactions on Signal Processing, 2012, 60, 2001-2012.	5.3	17
46	Mitigating timing based information leakage in shared schedulers. , 2012, , .		21
47	Source anonymity in fair scheduling: A case for the proportional method. , 2012, , .		5
48	Anonymity in packet scheduling under the max-min fairness criterion. , 2012, , .		2
49	Thwarting traffic analysis: A signal processing perspective. , 2012, , .		0
50	Scheduling with privacy constraints. , 2012, , .		9
51	A Game-Theoretic Approach to Anonymous Networking. IEEE/ACM Transactions on Networking, 2012, 20, 892-905.	3.8	16
52	Designing privacy preserving router scheduling policies. , 2011, , .		1
53	The anonymity of an almost fair chaum mix. , 2011, , .		4
54	Information theoretic analysis of side channel information leakage in FCFS schedulers. , 2011, , .		11

#	ARTICLE	IF	CITATIONS
55	Anonymity under flow insertion: A game theoretic approach. , 2010, , .		0
56	Anonymous networking amidst active adversaries. , 2009, , .		0
57	Anonymous networking with localized eavesdroppers: A game-theoretic approach. , 2009, , .		0
58	Anonymous Networking Amidst Eavesdroppers. IEEE Transactions on Information Theory, 2008, 54, 2770-2784.	2.4	63
59	Toward an analytical approach to anonymous wireless networking. , 2008, 46, 140-146.		15
60	Anonymous Networking with Minimum Latency in Multihop Networks. Sp'97, 2008, , .	0.0	24
61	Incentivizing anonymous “peer-to-peer” reviews. , 2008, , .		0
62	On the anonymity of Chaum mixes. , 2008, , .		14
63	Anonymity under light traffic conditions using a network of mixes. , 2008, , .		4
64	Quantization for Maximin ARE in Distributed Estimation. IEEE Transactions on Signal Processing, 2007, 55, 3596-3605.	5.3	44
65	Score-Function Quantization for Distributed Estimation. , 2006, , .		8
66	Packet Scheduling Against Stepping-Stone Attacks with Chaff. , 2006, , .		8
67	Networking with Secrecy Constraints. , 2006, , .		1
68	Sensitivity and Coding of Opportunistic ALOHA in Sensor Networks with Mobile Access. Journal of Signal Processing Systems, 2005, 41, 329-344.	1.0	2
69	Sensor Networks With Mobile Access: Optimal Random Access and Coding. IEEE Journal on Selected Areas in Communications, 2004, 22, 1058-1068.	14.0	84
70	A cross-layer perspective in an uncharted path - Signal processing in random access. IEEE Signal Processing Magazine, 2004, 21, 29-39.	5.6	111