Chia-Mu Yu

List of Publications by Year
in descending order

60 papers	880 citations	686830 13 h-index	580395 25 g-index
64 all docs	64 docs citations	64 times ranked	847 citing authors

#	ARTICLE	IF	CITATIONS
1	SegNet: a network for detecting deepfake facial videos. Multimedia Systems, 2022, 28, 793-814.	3.0	5
2	DPView: Differentially Private Data Synthesis Through Domain Size Information. IEEE Internet of Things Journal, 2022, 9, 15886-15900.	5.5	1
3	Editorial: Special issue on trusted Cloud-Edges computations. Future Generation Computer Systems, 2021, 114, 661-664.	4.9	0
4	DPCrowd: Privacy-Preserving and Communication-Efficient Decentralized Statistical Estimation for Real-Time Crowdsourced Data. IEEE Internet of Things Journal, 2021, 8, 2775-2791.	5.5	6
5	($$k,\varepsilon ,\delta $$)-Anonymization: privacy-preserving data release based on k-anonymity and differential privacy. Service Oriented Computing and Applications, 2021, 15, 175-185.	1.3	2
6	Evaluating the Risk of Disclosure and Utility in a Synthetic Dataset. Computers, Materials and Continua, 2021, 68, 761-787.	1.5	0
7	On The Private Data Synthesis Through Deep Generative Models for Data Scarsity of Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, , 1-1.	7.2	0
8	Privacy Aware Data Deduplication for Side Channel in Cloud Storage. IEEE Transactions on Cloud Computing, 2020, 8, 597-609.	3.1	17
9	Privacy in Data Service Composition. IEEE Transactions on Services Computing, 2020, 13, 639-652.	3.2	7
10	Counteracting UDP Flooding Attacks in SDN. Electronics (Switzerland), 2020, 9, 1239.	1.8	7
11	Benchmarking Dynamic Searchable Symmetric Encryption Scheme for Cloud-Internet of Things Applications. IEEE Access, 2020, 8, 1715-1732.	2.6	3
12	On the Privacy Risks of Compromised Trigger-Action Platforms. Lecture Notes in Computer Science, 2020, , 251-271.	1.0	4
13	Characterizing Adversarial Subspaces by Mutual Information. , 2019, , .		0
14	Differentially Private Event Sequences over Infinite Streams with Relaxed Privacy Guarantee. Lecture Notes in Computer Science, 2019, , 272-284.	1.0	3
15	Benchmarking Dynamic Searchable Symmetric Encryption with Search Pattern Hiding. , 2019, , .		3
16	MDSClone: Multidimensional Scaling Aided Clone Detection in Internet of Things. IEEE Transactions on Information Forensics and Security, 2018, 13, 2031-2046.	4.5	16
17	<inline-formula> <tex-math notation="LaTeX">$\textsf{LoPub}$ </tex-math> </inline-formula>: High-Dimensional Crowdsourced Data Publication With Local Differential Privacy. IEEE Transactions on Information Forensics and Security, 2018, 13, 2151-2166.	4.5	175
18	Hierarchical Abnormal-Node Detection Using Fuzzy Logic for ECA Rule-Based Wireless Sensor Networks. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	ON THE UTILITY OF CONDITIONAL GENERATION BASED MUTUAL INFORMATION FOR CHARACTERIZING ADVERSARIAL SUBSPACES. , 2018, , .		0
20	Abnormal-Node Detection Based on Spatio-Temporal and Multivariate-Attribute Correlation in Wireless Sensor Networks. , 2018, , .		4
21	Privacy-Preserving Record Linkage via Bilinear Pairing Approach. , 2018, , .		0
22	RARE: Defeating side channels based on data-deduplication in cloud storage. , 2018, , .		35
23	VENUS: Verifiable range query in data streaming. , 2018, , .		5
24	On the Limitation of MagNet Defense Against L1-Based Adversarial Examples. , 2018, , .		7
25	Privacy-Preserving Multikeyword Similarity Search Over Outsourced Cloud Data. IEEE Systems Journal, 2017, 11, 385-394.	2.9	17
26	Evaluating the Risk of Data Disclosure Using Noise Estimation for Differential Privacy. , 2017, , .		4
27	Key Management in Internet of Things via Kronecker Product. , 2017, , .		15
28	Data-Driven Approach for Evaluating Risk of Disclosure and Utility in Differentially Private Data Release. , 2017, , .		4
29	Enabling End-Users to Protect their Privacy. , 2017, , .		7
30	Practical integrity preservation for data streaming in cloud-assisted healthcare sensor systems. Computer Networks, 2017, 129, 472-480.	3.2	9
31	Image and Video Restoration and Enhancement via Sparse Representation. , 2017, , 501-528.		3
32	Counteracting UDP flooding attacks in SDN. , 2016, , .		11
33	High-Dimensional Crowdsourced Data Distribution Estimation with Local Privacy. , 2016, , .		9
34	Compressed Sensing-Based Clone Identification in Sensor Networks. IEEE Transactions on Wireless Communications, 2016, 15, 3071-3084.	6.1	16
35	Proof of ownership in deduplicated cloud storage with mobile device efficiency. IEEE Network, 2015, 29, 51-55.	4.9	14
36	Deterministic detection of node replication attacks in sensor networks. , 2015, , .		3

#	Article	IF	Citations
37	Verifiable, privacy-assured, and accurate signal collection for cloud-assisted wireless sensor networks. , 2015, 53, 48-53.		7
38	Sensor localization via robust principle component analysis. , 2014, , .		0
39	Top-k Query Result Completeness Verification in Tiered Sensor Networks. IEEE Transactions on Information Forensics and Security, 2014, 9, 109-124.	4.5	41
40	Privacy-Preserving Power Request in Smart Grid Networks. IEEE Systems Journal, 2014, 8, 441-449.	2.9	31
41	Localized Algorithms for Detection of Node Replication Attacks in Mobile Sensor Networks. IEEE Transactions on Information Forensics and Security, 2013, 8, 754-768.	4.5	35
42	Top-k query result completeness verification in sensor networks. , 2013, , .		3
43	CSI: Compressed sensing-based clone identification in sensor networks. , 2012, , .		22
44	Resource Block Assignment for Interference Avoidance in Femtocell Networks. , 2012, , .		4
45	Compressed Sensing Detector Design for Space Shift Keying in MIMO Systems. IEEE Communications Letters, 2012, 16, 1556-1559.	2.5	84
46	Secure transcoding for compressive multimedia sensing. , 2011, , .		5
47	An application-driven attack probability-based deterministic pairwise key pre-distribution scheme for non-uniformly deployed sensor networks. International Journal of Sensor Networks, 2011, 9, 89.	0.2	13
48	Constrained Function-Based Message Authentication for Sensor Networks. IEEE Transactions on Information Forensics and Security, 2011, 6, 407-425.	4.5	18
49	Practical and Secure Multidimensional Query Framework in Tiered Sensor Networks. IEEE Transactions on Information Forensics and Security, 2011, 6, 241-255.	4.5	30
50	Noninteractive Pairwise Key Establishment for Sensor Networks. IEEE Transactions on Information Forensics and Security, 2010, 5, 556-569.	4.5	33
51	Acquiring Authentic Data in Unattended Wireless Sensor Networks. Sensors, 2010, 10, 2770-2792.	2.1	11
52	A DoS-resilient en-route filtering scheme for sensor networks. , 2009, , .		5
53	A Constrained Function Based Message Authentication Scheme for Sensor Networks. , 2009, , .		3
54	A Simple Non-Interactive Pairwise Key Establishment Scheme in Sensor Networks. , 2009, , .		8

#	Article	IF	Citations
55	Efficient and Distributed Detection of Node Replication Attacks in Mobile Sensor Networks. , 2009, , .		36
56	Mobile Sensor Network Resilient Against Node Replication Attacks. , 2008, , .		45
57	A constrained random perturbation vector-based pairwise key establishment scheme for wireless sensor networks. , 2008, , .		5
58	Improving the network flow problem using quantum search. , 2007, , .		1
59	Habitual Behavior-Based Opportunistic Data Forwarding in Wildlife Tracking. , 2007, , .		2
60	Attack Probability Based Deterministic Key Predistribution Mechanism for Non-Uniform Sensor Deployment. , 2007, , .		5