

Chia-Mu Yu

List of Publications by Year in descending order

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Version: 2024-02-01

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	ϵ -High-Dimensional Crowdsourced Data Publication With Local Differential Privacy. IEEE Transactions on Information Forensics and Security, 2018, 13, 2151-2166.	4.5	175
2	Compressed Sensing Detector Design for Space Shift Keying in MIMO Systems. IEEE Communications Letters, 2012, 16, 1556-1559.	2.5	84
3	Mobile Sensor Network Resilient Against Node Replication Attacks. , 2008, , .		45
4	Top- k Query Result Completeness Verification in Tiered Sensor Networks. IEEE Transactions on Information Forensics and Security, 2014, 9, 109-124.	4.5	41
5	Efficient and Distributed Detection of Node Replication Attacks in Mobile Sensor Networks. , 2009, , .		36
6	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
7	RARE: Defeating side channels based on data-deduplication in cloud storage. , 2018, , .		35
8	Noninteractive Pairwise Key Establishment for Sensor Networks. IEEE Transactions on Information Forensics and Security, 2010, 5, 556-569.	4.5	33
9	Privacy-Preserving Power Request in Smart Grid Networks. IEEE Systems Journal, 2014, 8, 441-449.	2.9	31
10	Practical and Secure Multidimensional Query Framework in Tiered Sensor Networks. IEEE Transactions on Information Forensics and Security, 2011, 6, 241-255.	4.5	30
11	CSI: Compressed sensing-based clone identification in sensor networks. , 2012, , .		22
12	Constrained Function-Based Message Authentication for Sensor Networks. IEEE Transactions on Information Forensics and Security, 2011, 6, 407-425.	4.5	18
13	Privacy-Preserving Multikeyword Similarity Search Over Outsourced Cloud Data. IEEE Systems Journal, 2017, 11, 385-394.	2.9	17
14	Privacy Aware Data Deduplication for Side Channel in Cloud Storage. IEEE Transactions on Cloud Computing, 2020, 8, 597-609.	3.1	17
15	Compressed Sensing-Based Clone Identification in Sensor Networks. IEEE Transactions on Wireless Communications, 2016, 15, 3071-3084.	6.1	16
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	Key Management in Internet of Things via Kronecker Product. , 2017, , .		15
18	Proof of ownership in deduplicated cloud storage with mobile device efficiency. IEEE Network, 2015, 29, 51-55.	4.9	14

#	ARTICLE	IF	CITATIONS
19	An application-driven attack probability-based deterministic pairwise key pre-distribution scheme for non-uniformly deployed sensor networks. <i>International Journal of Sensor Networks</i> , 2011, 9, 89.	0.2	13
20	Acquiring Authentic Data in Unattended Wireless Sensor Networks. <i>Sensors</i> , 2010, 10, 2770-2792.	2.1	11
21	Counteracting UDP flooding attacks in SDN. , 2016, , .		11
22	High-Dimensional Crowdsourced Data Distribution Estimation with Local Privacy. , 2016, , .		9
23	Practical integrity preservation for data streaming in cloud-assisted healthcare sensor systems. <i>Computer Networks</i> , 2017, 129, 472-480.	3.2	9
24	A Simple Non-Interactive Pairwise Key Establishment Scheme in Sensor Networks. , 2009, , .		8
25	Verifiable, privacy-assured, and accurate signal collection for cloud-assisted wireless sensor networks. , 2015, 53, 48-53.		7
26	Enabling End-Users to Protect their Privacy. , 2017, , .		7
27	On the Limitation of MagNet Defense Against L1-Based Adversarial Examples. , 2018, , .		7
28	Privacy in Data Service Composition. <i>IEEE Transactions on Services Computing</i> , 2020, 13, 639-652.	3.2	7
29	Counteracting UDP Flooding Attacks in SDN. <i>Electronics (Switzerland)</i> , 2020, 9, 1239.	1.8	7
30	DPCrowd: Privacy-Preserving and Communication-Efficient Decentralized Statistical Estimation for Real-Time Crowdsourced Data. <i>IEEE Internet of Things Journal</i> , 2021, 8, 2775-2791.	5.5	6
31	Attack Probability Based Deterministic Key Predistribution Mechanism for Non-Uniform Sensor Deployment. , 2007, , .		5
32	A constrained random perturbation vector-based pairwise key establishment scheme for wireless sensor networks. , 2008, , .		5
33	A DoS-resilient en-route filtering scheme for sensor networks. , 2009, , .		5
34	Secure transcoding for compressive multimedia sensing. , 2011, , .		5
35	VENUS: Verifiable range query in data streaming. , 2018, , .		5
36	SegNet: a network for detecting deepfake facial videos. <i>Multimedia Systems</i> , 2022, 28, 793-814.	3.0	5

#	ARTICLE	IF	CITATIONS
37	Resource Block Assignment for Interference Avoidance in Femtocell Networks. , 2012, , .		4
38	Evaluating the Risk of Data Disclosure Using Noise Estimation for Differential Privacy. , 2017, , .		4
39	Data-Driven Approach for Evaluating Risk of Disclosure and Utility in Differentially Private Data Release. , 2017, , .		4
40	Hierarchical Abnormal-Node Detection Using Fuzzy Logic for ECA Rule-Based Wireless Sensor Networks. , 2018, , .		4
41	Abnormal-Node Detection Based on Spatio-Temporal and Multivariate-Attribute Correlation in Wireless Sensor Networks. , 2018, , .		4
42	On the Privacy Risks of Compromised Trigger-Action Platforms. Lecture Notes in Computer Science, 2020, , 251-271.	1.0	4
43	A Constrained Function Based Message Authentication Scheme for Sensor Networks. , 2009, , .		3
44	Top-k query result completeness verification in sensor networks. , 2013, , .		3
45	Deterministic detection of node replication attacks in sensor networks. , 2015, , .		3
46	Differentially Private Event Sequences over Infinite Streams with Relaxed Privacy Guarantee. Lecture Notes in Computer Science, 2019, , 272-284.	1.0	3
47	Benchmarking Dynamic Searchable Symmetric Encryption with Search Pattern Hiding. , 2019, , .		3
48	Benchmarking Dynamic Searchable Symmetric Encryption Scheme for Cloud-Internet of Things Applications. IEEE Access, 2020, 8, 1715-1732.	2.6	3
49	Image and Video Restoration and Enhancement via Sparse Representation. , 2017, , 501-528.		3
50	Habitual Behavior-Based Opportunistic Data Forwarding in Wildlife Tracking. , 2007, , .		2
51	(ϵ, δ) -Anonymization: privacy-preserving data release based on k -anonymity and differential privacy. Service Oriented Computing and Applications, 2021, 15, 175-185.	1.3	2
52	Improving the network flow problem using quantum search. , 2007, , .		1
53	DPView: Differentially Private Data Synthesis Through Domain Size Information. IEEE Internet of Things Journal, 2022, 9, 15886-15900.	5.5	1
54	Sensor localization via robust principle component analysis. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
55	ON THE UTILITY OF CONDITIONAL GENERATION BASED MUTUAL INFORMATION FOR CHARACTERIZING ADVERSARIAL SUBSPACES. , 2018, , .		0
56	Privacy-Preserving Record Linkage via Bilinear Pairing Approach. , 2018, , .		0
57	Characterizing Adversarial Subspaces by Mutual Information. , 2019, , .		0
58	Editorial: Special issue on trusted Cloud-Edges computations. Future Generation Computer Systems, 2021, 114, 661-664.	4.9	0
59	Evaluating the Risk of Disclosure and Utility in a Synthetic Dataset. Computers, Materials and Continua, 2021, 68, 761-787.	1.5	0
60	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