Yansong Gao

List of Publications by Year
in descending order

25 papers	1,089 citations	759190 12 h-index	794568 19 g-index
25 all docs	25 docs citations	25 times ranked	945 citing authors

#	Article	IF	Citations
1	STRIP. , 2019, , .		250
2	Physical unclonable functions. Nature Electronics, 2020, 3, 81-91.	26.0	239
3	Emerging Physical Unclonable Functions With Nanotechnology. IEEE Access, 2016, 4, 61-80.	4.2	141
4	VFL: A Verifiable Federated Learning With Privacy-Preserving for Big Data in Industrial IoT. IEEE Transactions on Industrial Informatics, 2022, 18, 3316-3326.	11.3	86
5	Memristive crypto primitive for building highly secure physical unclonable functions. Scientific Reports, 2015, 5, 12785.	3.3	77
6	Obfuscated challenge-response: A secure lightweight authentication mechanism for PUF-based pervasive devices. , 2016, , .		49
7	PUF Sensor: Exploiting PUF Unreliability for Secure Wireless Sensing. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 2532-2543.	5.4	35
8	Lightweight (Reverse) Fuzzy Extractor With Multiple Reference PUF Responses. IEEE Transactions on Information Forensics and Security, 2019, 14, 1887-1901.	6.9	34
9	PUF-FSM: A Controlled Strong PUF. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2017, , 1-1.	2.7	27
10	Evaluation and Optimization of Distributed Machine Learning Techniques for Internet of Things. IEEE Transactions on Computers, 2022, 71, 2538-2552.	3.4	23
11	Read operation performance of large selectorless cross-point array with self-rectifying memristive device. The Integration VLSI Journal, 2016, 54, 56-64.	2.1	19
12	Security-Aware Proportional Fairness Resource Allocation for Cognitive Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 11694-11704.	6.3	18
13	mrPUF: A Novel Memristive Device Based Physical Unclonable Function. Lecture Notes in Computer Science, 2015, , 595-615.	1.3	16
14	Design and Evaluation of a Multi-Domain Trojan Detection Method on Deep Neural Networks. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 2349-2364.	5.4	14
15	Detecting Hardware-Assisted Virtualization With Inconspicuous Features. IEEE Transactions on Information Forensics and Security, 2021, 16, 16-27.	6.9	11
16	Design and Evaluate Recomposited OR-AND-XOR-PUF. IEEE Transactions on Emerging Topics in Computing, 2022, , 1-1.	4.6	10
17	SecuCode: Intrinsic PUF Entangled <u>Secu</u>re Wireless <u>Code</u> Dissemination for Computational RFID Devices. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 1699-1717.	5.4	9
18	A PUF sensor: Securing physical measurements. , 2017, , .		7

#	Article	IF	Citations
19	Hash Functions and Benchmarks for Resource Constrained Passive Devices: A Preliminary Study. , 2019, , .		6
20	LinkBreaker: Breaking the Backdoor-Trigger Link in DNNs via Neurons Consistency Check. IEEE Transactions on Information Forensics and Security, 2022, 17, 2000-2014.	6.9	6
21	TREVERSE: TRial-and-Error Lightweight Secure ReVERSE Authentication With Simulatable PUFs. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 419-437.	5.4	5
22	BitMine: An End-to-End Tool for Detecting Rowhammer Vulnerability. IEEE Transactions on Information Forensics and Security, 2021, 16, 5167-5181.	6.9	3
23	Side-Channel Leakage Detection Based on Constant Parameter Channel Model. , 2020, , .		2
24	Wisecr: Secure Simultaneous Code Dissemination to Many Batteryless Computational RFID Devices. IEEE Transactions on Dependable and Secure Computing, 2022, , 1-1.	5.4	2
25	Security Evaluation of n-Choose-k-Sum PUFs Against Modeling Attacks. IEEE Access, 2021, 9, 168193-168206.	4.2	0