

Tolga Arul

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

178
citations

1478505

6
h-index

1372567

10
g-index

31
all docs

31
docs citations

31
times ranked

143
citing authors

#	ARTICLE	IF	CITATIONS
1	A Lightweight Architecture for Hardware-Based Security in the Emerging Era of Systems of Systems. ACM Journal on Emerging Technologies in Computing Systems, 2021, 17, 1-25.	2.3	8
2	A design for a secure network of networks using a hardware and software co-engineering architecture. , 2021, , .		0
3	Low-Temperature Attacks Against Digital Electronics: A Challenge for the Security of Superconducting Modules in High-Speed Magnetic Levitation (MagLev) Trains. , 2021, , .		0
4	A Study of the Spatial Auto-Correlation of Memory-Based Physical Unclonable Functions. , 2020, , .		2
5	Securing FlexRay-based in-vehicle networks. Microprocessors and Microsystems, 2020, 77, 103144.	2.8	6
6	Safety Meets Security: Using IECâ62443 for a Highly Automated Road Vehicle. Lecture Notes in Computer Science, 2020, , 325-340.	1.3	4
7	Predicting Railway Signalling Commands Using Neural Networks for Anomaly Detection. Lecture Notes in Computer Science, 2020, , 164-178.	1.3	3
8	ELSA: efficient long-term secure storage of large datasets (full version) â—. Eurasip Journal on Information Security, 2020, 2020, .	3.1	1
9	Low-cost Security for Next-generation IoT Networks. ACM Transactions on Internet Technology, 2020, 20, 1-31.	4.4	13
10	Security Requirements Engineering in Safety-Critical Railway Signalling Networks. Security and Communication Networks, 2019, 2019, 1-14.	1.5	10
11	Lightweight security solutions for IoT implementations in space. , 2019, , .		3
12	Attacking SRAM PUFs using very-low-temperature data remanence. Microprocessors and Microsystems, 2019, 71, 102864.	2.8	9
13	Security and Safety Co-Engineering of the FlexRay Bus in Vehicular Networks. , 2019, , .		10
14	AR-PUFs: Advanced Security Primitives for the Internet of Things and Cyber-Physical Systems. , 2019, , .		2
15	Privacy & Usability of IPTV Recommender Systems. , 2019, , .		0
16	Using Implicit Certification to Efficiently Establish Authenticated Group Keys for In-Vehicle Networks. , 2019, , .		15
17	MagneticSpy. , 2019, , .		20
18	Intrinsic Run-Time Row Hammer PUFs: Leveraging the Row Hammer Effect for Run-Time Cryptography and Improved Security â€. Cryptography, 2018, 2, 13.	2.3	9

#	ARTICLE	IF	CITATIONS
19	Security Analysis of the RaSTA Safety Protocol. , 2018, , .		3
20	Poster: Hierarchical Integrity Checking in Heterogeneous Vehicular Networks. , 2018, , .		2
21	Securing IoT Devices Using Robust DRAM PUFs. , 2018, , .		12
22	Behavioral Workload Generation for IPTV. , 2018, , .		1
23	Low-Temperature Data Remanence Attacks Against Intrinsic SRAM PUFs. , 2018, , .		20
24	Subscription-free Pay-TV over IPTV. Journal of Systems Architecture, 2016, 64, 37-49.	4.3	4
25	Lightweight Anti-counterfeiting Solution for Low-End Commodity Hardware Using Inherent PUFs. Lecture Notes in Computer Science, 2014, , 83-100.	1.3	19
26	Consumer Opinions on Short-Interval Charging for Pay-TV over IPTV. , 2012, , .		1
27	A benchmarking environment for performance evaluation of tree-based rekeying algorithms. Journal of Systems and Software, 2011, 84, 1130-1143.	4.5	0
28	A novel architecture for a secure update of cryptographic engines on trusted platform module. , 2011, , .		1
29	Multicast Rekeying: Performance Evaluation. Lecture Notes in Electrical Engineering, 2010, , 85-104.	0.4	0