

Viktor Fischer

List of Publications by Year in descending order

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papers

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840776

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16
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407
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#	ARTICLE	IF	CITATIONS
1	A PUF Based on a Transient Effect Ring Oscillator and Insensitive to Locking Phenomenon. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 30-36.	4.6	108
2	Implementation and Characterization of a Physical Unclonable Function for IoT: A Case Study With the TERO-PUF. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2018, 37, 97-109.	2.7	91
3	True Random Number Generator Embedded in Reconfigurable Hardware. Lecture Notes in Computer Science, 2003, , 415-430.	1.3	91
4	True-Randomness and Pseudo-Randomness in Ring Oscillator-Based True Random Number Generators. International Journal of Reconfigurable Computing, 2010, 2010, 1-13.	0.2	41
5	Key Reconciliation Protocols for Error Correction of Silicon PUF Responses. IEEE Transactions on Information Forensics and Security, 2017, 12, 1988-2002.	6.9	31
6	Mathematical model of physical RNGs based on coherent sampling. Tatra Mountains Mathematical Publications, 2010, 45, 1-14.	0.2	26
7	Adaptive video filtering framework. International Journal of Imaging Systems and Technology, 2004, 14, 223-237.	4.1	20
8	Fault model of electromagnetic attacks targeting ring oscillator-based true random number generators. Journal of Cryptographic Engineering, 2016, 6, 61-74.	1.8	19
9	Experimental Study of Locking Phenomena on Oscillating Rings Implemented in Logic Devices. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 2560-2571.	5.4	19
10	Implementation of Ring-Oscillators-Based Physical Unclonable Functions with Independent Bits in the Response. International Journal of Reconfigurable Computing, 2012, 2012, 1-13.	0.2	15
11	Optimization of the PLL configuration in a PLL-based TRNG design. , 2018, , .		9
12	An open-source multi-FPGA modular system for fair benchmarking of True Random Number Generators. , 2013, , .		8
13	Disposable configuration of remotely reconfigurable systems. Microprocessors and Microsystems, 2015, 39, 382-392.	2.8	5
14	From Physical to Stochastic Modeling of a TERO-Based TRNG. Journal of Cryptology, 2019, 32, 435-458.	2.8	4
15	Modern random number generator design – Case study on a secured PLL-based TRNG. IT - Information Technology, 2019, 61, 3-13.	0.9	3