Macarena C MartÃ-nez-RodrÃ-guez

List of Publications by Year
in descending order

21 papers	**103** citations

1684188

5 h-index

1588992

8 g-index

| **22** all docs | **22** docs citations | **22** times ranked | **76** citing authors |

#	Article	IF	Citations
1	Reducing bit flipping problems in SRAM physical unclonable functions for chip identification. , 2012, , .		16
2	Digital VLSI Implementation of Piecewise-Affine Controllers Based on Lattice Approach. IEEE Transactions on Control Systems Technology, 2015, 23, 842-854.	5.2	12
3	Digital implementation of hierarchical piecewise-affine controllers. , 2011, , .		10
4	A Programmable and Configurable ASIC to Generate Piecewise-Affine Functions Defined Over General Partitions. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 3182-3194.	5.4	8
5	VLSI Design of Trusted Virtual Sensors. Sensors, 2018, 18, 347.	3.8	7
6	Design methodology for FPGA implementation of lattice piecewise-affine functions. , 2011, , .		6
7	Circuit implementation of piecewise-affine functions based on lattice representation. , 2011, , .		6
8	Timing-Optimized Hardware Implementation to Accelerate Polynomial Multiplication in the NTRU Algorithm. ACM Journal on Emerging Technologies in Computing Systems, 2021, 17, 1-16.	2.3	6
9	A Configurable RO-PUF for Securing Embedded Systems Implemented on Programmable Devices. Electronics (Switzerland), 2021, 10, 1957.	3.1	6
10	Application specific integrated circuit solution for multiâ€input multiâ€output piecewiseâ€affine functions. International Journal of Circuit Theory and Applications, 2016, 44, 4-20.	2.0	5
11	Multi-Unit Serial Polynomial Multiplier to Accelerate NTRU-Based Cryptographic Schemes in IoT Embedded Systems. Sensors, 2022, 22, 2057.	3.8	5
12	SoK: Remote Power Analysis. , 2021, , .		3
13	Accelerating the Development of NTRU Algorithm on Embedded Systems. , 2020, , .		3
14	ASIC-in-the-loop methodology for verification of piecewise affine controllers. , 2012, , .		2
15	Programmable ASICs for model predictive control. , 2015, , .		2
16	Hardware Implementation of Authenticated Ciphers for Embedded Systems. IEEE Latin America Transactions, 2020, 18, 1581-1591.	1.6	2
17	Dedicated hardware IP module for fingerprint recognition. , 2015, , .		1
18	CMOS digital design of a trusted virtual sensor. , 2017, , .		1

#	Article	IF	Citations
19	A comparative analysis of VLSI trusted virtual sensors. Microprocessors and Microsystems, 2018, 61, 108-116.	2.8	1
20	Design Flow to Evaluate the Performance of Ring Oscillator PUFs on FPGAs. , 2021, , .		1
21	Dedicated hardware IP module for extracting singular points from fingerprints. , 2014, , .		0