Victor Hugo Carbajal-GÃ³mez

List of Publications by Year
in descending order

21 papers	471 citations	840776 11 h-index	940533 16 g-index
21 all docs	21 docs citations	21 times ranked	404 citing authors

#	Article	IF	Citations
1	A Self-Powered UHF Passive Tag for Biomedical Temperature Monitoring. Electronics (Switzerland), 2022, 11, 1108.	3.1	1
2	CMOS OTA-Based Filters for Designing Fractional-Order Chaotic Oscillators. Fractal and Fractional, 2021, 5, 122.	3.3	16
3	Determining accurate Lyapunov exponents of a multiscroll chaotic attractor based on SNFS. Nonlinear Dynamics, 2019, 98, 2389-2402.	5.2	16
4	Design of a Wide-Band Voltage-Controlled Ring Oscillator Implemented in 180 nm CMOS Technology. Electronics (Switzerland), 2019, 8, 1156.	3.1	11
5	Optimization and CMOS design of chaotic oscillators robust to PVT variations: INVITED. The Integration VLSI Journal, 2019, 65, 32-42.	2.1	40
6	Optimal Sizing of Low-DropOut Voltage Regulators by NSGA-II and PVT Analysis. Studies in Computational Intelligence, 2019, , 225-247.	0.9	1
7	PVT-Robust CMOS Programmable Chaotic Oscillator: Synchronization of Two 7-Scroll Attractors. Electronics (Switzerland), 2018, 7, 252.	3.1	13
8	Fractional-Order Memristor Emulator Circuits. Complexity, 2018, 2018, 1-10.	1.6	27
9	Pinched hysteresis behavior in a PID-controlled resistor. Engineering Science and Technology, an International Journal, 2018, 21, 297-301.	3.2	5
10	Segmentation of Microscopic Images with NSGA-II. Computacion Y Sistemas, 2018, 22, .	0.3	0
11	On the Verification for Realizing Multi-scroll Chaotic Attractors with High Maximum Lyapunov Exponent and Entropy. Studies in Computational Intelligence, 2016, , 311-336.	0.9	0
12	Generating a 50-scroll chaotic attractor at 66ÂMHz by using FPGAs. Nonlinear Dynamics, 2016, 85, 2143-2157.	5.2	89
13	Circuit Realization of the Synchronization of Two Chaotic Oscillators with Optimized Maximum Lyapunov Exponent. Studies in Fuzziness and Soft Computing, 2016, , 627-651.	0.8	0
14	Application of Computational Intelligence Techniques to Maximize Unpredictability in Multiscroll Chaotic Oscillators. , 2015, , 59-81.		3
15	FPGA realization of a chaotic communication system applied to image processing. Nonlinear Dynamics, 2015, 82, 1879-1892.	5.2	111
16	Experimental Realization of a Multiscroll Chaotic Oscillator with Optimal Maximum Lyapunov Exponent. Scientific World Journal, The, 2014, 2014, 1-16.	2.1	3
17	Maximizing Lyapunov Exponents in a Chaotic Oscillator by Applying Differential Evolution. International Journal of Nonlinear Sciences and Numerical Simulation, 2014, 15, 11-17.	1.0	12
18	Optimizing the positive Lyapunov exponent in multi-scroll chaotic oscillators with differential evolution algorithm. Applied Mathematics and Computation, 2013, 219, 8163-8168.	2.2	32

#	Article	IF	Citations
19	A survey on the integrated design of chaotic oscillators. Applied Mathematics and Computation, 2013, 219, 5113-5122.	2.2	78
20	Behavioral Modeling of SNFS for Synthesizing Multi-Scroll Chaotic Attractors. International Journal of Nonlinear Sciences and Numerical Simulation, 2013, 14, 463-469.	1.0	12
21	Automatic synthesis of chaotic attractors using surrogate functions. , 2011, , .		1