

Victor Hugo Carbajal-GÃ³mez

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

471
citations

840119

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g-index

21
all docs

21
docs citations

21
times ranked

404
citing authors

#	ARTICLE	IF	CITATIONS
1	FPGA realization of a chaotic communication system applied to image processing. <i>Nonlinear Dynamics</i> , 2015, 82, 1879-1892.	2.7	111
2	Generating a 50-scroll chaotic attractor at 66MHz by using FPGAs. <i>Nonlinear Dynamics</i> , 2016, 85, 2143-2157.	2.7	89
3	A survey on the integrated design of chaotic oscillators. <i>Applied Mathematics and Computation</i> , 2013, 219, 5113-5122.	1.4	78
4	Optimization and CMOS design of chaotic oscillators robust to PVT variations: INVITED. <i>The Integration VLSI Journal</i> , 2019, 65, 32-42.	1.3	40
5	Optimizing the positive Lyapunov exponent in multi-scroll chaotic oscillators with differential evolution algorithm. <i>Applied Mathematics and Computation</i> , 2013, 219, 8163-8168.	1.4	32
6	Fractional-Order Memristor Emulator Circuits. <i>Complexity</i> , 2018, 2018, 1-10.	0.9	27
7	Determining accurate Lyapunov exponents of a multiscroll chaotic attractor based on SNFS. <i>Nonlinear Dynamics</i> , 2019, 98, 2389-2402.	2.7	16
8	CMOS OTA-Based Filters for Designing Fractional-Order Chaotic Oscillators. <i>Fractal and Fractional</i> , 2021, 5, 122.	1.6	16
9	PVT-Robust CMOS Programmable Chaotic Oscillator: Synchronization of Two 7-Scroll Attractors. <i>Electronics (Switzerland)</i> , 2018, 7, 252.	1.8	13
10	Behavioral Modeling of SNFS for Synthesizing Multi-Scroll Chaotic Attractors. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2013, 14, 463-469.	0.4	12
11	Maximizing Lyapunov Exponents in a Chaotic Oscillator by Applying Differential Evolution. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2014, 15, 11-17.	0.4	12
12	Design of a Wide-Band Voltage-Controlled Ring Oscillator Implemented in 180 nm CMOS Technology. <i>Electronics (Switzerland)</i> , 2019, 8, 1156.	1.8	11
13	Pinched hysteresis behavior in a PID-controlled resistor. <i>Engineering Science and Technology, an International Journal</i> , 2018, 21, 297-301.	2.0	5
14	Experimental Realization of a Multiscroll Chaotic Oscillator with Optimal Maximum Lyapunov Exponent. <i>Scientific World Journal, The</i> , 2014, 2014, 1-16.	0.8	3
15	Application of Computational Intelligence Techniques to Maximize Unpredictability in Multiscroll Chaotic Oscillators. , 2015, , 59-81.		3
16	Automatic synthesis of chaotic attractors using surrogate functions. , 2011, , .		1
17	Optimal Sizing of Low-DropOut Voltage Regulators by NSGA-II and PVT Analysis. <i>Studies in Computational Intelligence</i> , 2019, , 225-247.	0.7	1
18	A Self-Powered UHF Passive Tag for Biomedical Temperature Monitoring. <i>Electronics (Switzerland)</i> , 2022, 11, 1108.	1.8	1

#	ARTICLE	IF	CITATIONS
19	On the Verification for Realizing Multi-scroll Chaotic Attractors with High Maximum Lyapunov Exponent and Entropy. Studies in Computational Intelligence, 2016, , 311-336.	0.7	0
20	Circuit Realization of the Synchronization of Two Chaotic Oscillators with Optimized Maximum Lyapunov Exponent. Studies in Fuzziness and Soft Computing, 2016, , 627-651.	0.6	0
21	Segmentation of Microscopic Images with NSGA-II. Computacion Y Sistemas, 2018, 22, .	0.2	0