Sichun Du

List of Publications by Year
in descending order

24 papers	566 citations	13 h-index (687220)	20 g-index (752573)
24 all docs	24 docs citations	24 times ranked	257 citing authors

#	Article	IF	Citations
1	A new multi-scroll Chua's circuit with composite hyperbolic tangent-cubic nonlinearity: Complex dynamics, Hardware implementation and Image encryption application. The Integration VLSI Journal, 2021, 81, 71-83.	1.3	76
2	Analysis and FPGA Realization of a Novel 5D Hyperchaotic Four-Wing Memristive System, Active Control Synchronization, and Secure Communication Application. Complexity, 2019, 2019, 1-18.	0.9	72
3	Design and FPGA Implementation of a Pseudo-random Number Generator Based on a Hopfield Neural Network Under Electromagnetic Radiation. Frontiers in Physics, 2021, 9, .	1.0	49
4	Secure Communication Scheme Based on a New 5D Multistable Four-Wing Memristive Hyperchaotic System with Disturbance Inputs. Complexity, 2020, 2020, 1-16.	0.9	39
5	Dynamic Analysis, Circuit Design, and Synchronization of a Novel 6D Memristive Four-Wing Hyperchaotic System with Multiple Coexisting Attractors. Complexity, 2020, 2020, 1-17.	0.9	35
6	CCII and FPGA Realization: A Multistable Modified Fourth-Order Autonomous Chua's Chaotic System with Coexisting Multiple Attractors. Complexity, 2020, 2020, 1-17.	0.9	34
7	Memristive self-learning logic circuit with application to encoder and decoder. Neural Computing and Applications, 2021, 33, 4901-4913.	3.2	34
8	Pseudorandom Number Generator Based on Three Kinds of Four-Wing Memristive Hyperchaotic System and Its Application in Image Encryption. Complexity, 2020, 2020, 1-17.	0.9	34
9	Dynamic analysis and application in medical digital image watermarking of a new multi-scroll neural network with quartic nonlinear memristor. European Physical Journal Plus, 2022, 137, 434.	1.2	33
10	Chaos-Based Application of a Novel Multistable 5D Memristive Hyperchaotic System with Coexisting Multiple Attractors. Complexity, 2020, 2020, 1-19.	0.9	32
11	A 6D Fractional-Order Memristive Hopfield Neural Network and its Application in Image Encryption. Frontiers in Physics, 2022, 10, .	1.0	29
12	Dynamic Analysis and Audio Encryption Application in IoT of a Multi-Scroll Fractional-Order Memristive Hopfield Neural Network. Fractal and Fractional, 2022, 6, 370.	1.6	28
13	Chaos-Based Engineering Applications with a 6D Memristive Multistable Hyperchaotic System and a 2D SF-SIMM Hyperchaotic Map. Complexity, 2021, 2021, 1-21.	0.9	25
14	Low-Power CMOS Power Amplifier for 3.1–10.6 GHz Ultra-Wideband Transmitter. IETE Journal of Research, 2016, 62, 113-119.	1.8	8
15	Design and simulation of novel amplifier-based mixer for ISM band wireless applications. International Journal of Circuit Theory and Applications, 2015, 43, 1794-1800.	1.3	7
16	A Fan-Shaped Compact Water Antenna With Wide Bandwidth and Optical Transparence. IEEE Transactions on Antennas and Propagation, 2022, 70, 3017-3021.	3.1	7
17	A memristor-based circuit design and implementation for blocking on Pavlov associative memory. Neural Computing and Applications, 2022, 34, 14745-14761.	3.2	7
18	One-Step Calculation Circuit of FFT and Its Application. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 2781-2793.	3.5	6

#	Article	IF	Citations
19	A Low-Power CMOS Class-E Chireix RF Outphasing Power Amplifier for WLAN Applications. Wireless Personal Communications, 2016, 90, 1547-1561.	1.8	4
20	Unscented Particle Filter Algorithm Based on Divide-and-Conquer Sampling for Target Tracking. Sensors, 2021, 21, 2236.	2.1	4
21	Design of high efficiency monolithic CMOS Class-E power amplifier for WLAN application. , 2017, , .		1
22	A Low-Power CMOS Power Amplifier for 3.1-10.6GHz MB-OFDM Ultra-wideband Systems. , 2018, , .		1
23	A 3.5-GHz Class-F Power Amplifier with Current-Reused Topology in 0.13-Î¼m CMOS for 5G Application. Journal of Circuits, Systems and Computers, 2019, 28, 1950193.	1.0	1
24	A Low-Power CMOS Power Amplifier for 3.1-10.6GHz MB-OFDM Ultra-wideband Systems. , 2018, , .		0