

Murat Alcin

List of Publications by Year in descending order

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378
citing authors

#	ARTICLE	IF	CITATIONS
1	FPGA-based Dual Core TRNG Design Using Ring and Runge-Kutta-Butcher based on Chaotic Oscillator. Chaos Theory and Applications:, 2021, 3, 20-28.	1.4	9
2	A 5-D Multi-Stable Hyperchaotic Two-Disk Dynamo System With No Equilibrium Point: Circuit Design, FPGA Realization and Applications to TRNGs and Image Encryption. IEEE Access, 2021, 9, 81352-81369.	2.6	32
3	Control, synchronization with linear quadratic regulator method and FFANN-based PRNG application on FPGA of a novel chaotic system. European Physical Journal: Special Topics, 2021, 230, 1915-1931.	1.2	10
4	Design, FPGA implementation and statistical analysis of chaos-ring based dual entropy core true random number generator. Analog Integrated Circuits and Signal Processing, 2020, 102, 445-456.	0.9	51
5	A novel ANN-based four-dimensional two-disk hyperchaotic dynamical system, bifurcation analysis, circuit realisation and FPGA-based TRNG implementation. International Journal of Computer Applications in Technology, 2020, 62, 20.	0.3	23
6	Design and implementation of hydrogen economy using artificial neural network on field programmable gate array. International Journal of Hydrogen Energy, 2020, 45, 20709-20720.	3.8	16
7	A Novel Simple 4-D Hyperchaotic System with a Saddle-Point Index-2 Equilibrium Point and Multistability: Design and FPGA-Based Applications. Circuits, Systems, and Signal Processing, 2020, 39, 4259-4280.	1.2	28
8	A novel ANN-based four-dimensional two-disk hyperchaotic dynamical system, bifurcation analysis, circuit realisation and FPGA-based TRNG implementation. International Journal of Computer Applications in Technology, 2020, 62, 20.	0.3	3
9	Hyperjerk multiscroll oscillators with megastability: Analysis, FPGA implementation and a novel ANN-ring-based True Random Number Generator. AEU - International Journal of Electronics and Communications, 2019, 112, 152941.	1.7	51
10	Artificial Neural Networks based thermodynamic and economic analysis of a hydrogen production system assisted by geothermal energy on Field Programmable Gate Array. International Journal of Hydrogen Energy, 2019, 44, 17443-17459.	3.8	58
11	High speed FPGA-based chaotic oscillator design. Microprocessors and Microsystems, 2019, 66, 72-80.	1.8	50
12	Real-time high-speed 5-D hyperchaotic Lorenz system on FPGA. International Journal of Computer Applications in Technology, 2019, 61, 152.	0.3	9
13	A novel high speed Artificial Neural Network-based chaotic True Random Number Generator on Field Programmable Gate Array. International Journal of Circuit Theory and Applications, 2019, 47, 365-378.	1.3	42
14	Real-time high-speed 5-D hyperchaotic Lorenz system on FPGA. International Journal of Computer Applications in Technology, 2019, 61, 152.	0.3	2
15	Hardware design and implementation of a novel ANN-based chaotic generator in FPGA. Optik, 2016, 127, 5500-5505.	1.4	69
16	The Performance Analysis of Artificial Neural Network Based Shimizu-Morioka Chaotic System with Respect to Sample Numbers. Balkan Journal of Electrical and Computer Engineering, 2015, 3, .	0.4	1