

Ismail Koyuncu

List of Publications by Year in descending order

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papers

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430754

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis, FPGA implementation of a Josephson junction circuit with topologically nontrivial barrier and its application to ring-based dual entropy core true random number generator. European Physical Journal: Special Topics, 2022, 231, 1049-1059.	1.2	5
2	FPGA üzerinde gürültü iyleme algoritmalarının gerçekte zamanla gerçekteleştirilmesi. Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2022, 24, 125-137.	0.2	1
3	A Novel 3D Chaotic System With Line Equilibrium: Multistability, Integral Sliding Mode Control, Electronic Circuit, FPGA Implementation and Its Image Encryption. IEEE Access, 2022, 10, 68057-68074.	2.6	47
4	Thermoeconomic modeling and artificial neural network optimization of Afyon geothermal power plant. Renewable Energy, 2021, 163, 1166-1181.	4.3	39
5	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
6	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
7	A Novel Dormand-Prince Based Hybrid Chaotic True Random Number Generator on FPGA. Balkan Journal of Electrical and Computer Engineering, 2021, 9, 40-47.	0.4	0
8	Design and implementation of FPGA-based arrhythmic ECG signals using VHDL for biomedical calibration applications. International Advanced Researches and Engineering Journal, 2021, 5, 362-371.	0.4	4
9	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
10	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
11	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
12	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
13	Artificial Neural Network-Based 4-D Hyper-Chaotic System on Field Programmable Gate Array. International Journal of Intelligent Systems and Applications in Engineering, 2020, 8, 102-108.	1.0	4
14	Dynamical analysis, sliding mode synchronization of a fractional-order memristor Hopfield neural network with parameter uncertainties and its non-fractional-order FPGA implementation. European Physical Journal: Special Topics, 2019, 228, 2065-2080.	1.2	36
15	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
16	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
17	High speed FPGA-based chaotic oscillator design. Microprocessors and Microsystems, 2019, 66, 72-80.	1.8	50
18	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

#	ARTICLE	IF	CITATIONS
19	Implementation of Dormand-Prince based chaotic oscillator designs in different IQ-Math number standards on FPGA. Sakarya University Journal of Science, 2019, 23, 859-868.	0.3	4
20	Chaotic chameleon: Dynamic analyses, circuit implementation, FPGA design and fractional-order form with basic analyses. Chaos, Solitons and Fractals, 2017, 103, 476-487.	2.5	81
21	The design and realization of a new high speed FPGA-based chaotic true random number generator. Computers and Electrical Engineering, 2017, 58, 203-214.	3.0	74
22	A Neuron Library for Rapid Realization of Artificial Neural Networks on FPGA: A Case Study of Rössler Chaotic System. Journal of Circuits, Systems and Computers, 2017, 26, 1750015.	1.0	22
23	Hardware design and implementation of a novel ANN-based chaotic generator in FPGA. Optik, 2016, 127, 5500-5505.	1.4	69
24	Chaos-based engineering applications with a 3D chaotic system without equilibrium points. Nonlinear Dynamics, 2016, 84, 481-495.	2.7	130
25	Design and Implementation of High Speed Artificial Neural Network Based Sprott 94 S System on FPGA. International Journal of Intelligent Systems and Applications in Engineering, 2016, 4, 33.	1.0	7
26	Hybrid pseudo-random number generator for cryptographic systems. Nonlinear Dynamics, 2015, 82, 239-248.	2.7	43
27	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
28	Implementation of FPGA-based real time novel chaotic oscillator. Nonlinear Dynamics, 2014, 77, 49-59.	2.7	89
29	Design and implementation of chaos based true random number generator on FPGA. , 2014, , .		12