Ihsan Pehlivan

List of Publications by Year
in descending order

43 papers	1,970 citations	279798 23 h-index	377865 34 g-index
43 all docs	43 docs citations	43 times ranked	1023 citing authors

#	Article	IF	Citations
1	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.	4.2	32
2	A New Chaotic Mixer Design Based on the Delta Robot and Its Experimental Studies. Mathematical Problems in Engineering, 2021, 2021, 1-15.	1.1	6
3	Humik Asit Üretiminde Kullanılan Karıştırıcıların Kaotik Sistemler İle Performanslarının İyileştirilmesi. Turkish Journal of Agriculture: Food Science and Technology, 2021, 9, 508-514.	0.3	1
4	Chaos in metaheuristic based artificial intelligence algorithms: a short review. Turkish Journal of Electrical Engineering and Computer Sciences, 2021, 29, 1354-1367.	1.4	6
5	Development of micro computer based mobile random number generator with an encryption application. The Integration VLSI Journal, 2021, 81, 1-16.	2.1	3
6	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.	1.4	51
7	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.	0.5	23
8	High speed FPGA-based chaotic oscillator design. Microprocessors and Microsystems, 2019, 66, 72-80.	2.8	50
9	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.	2.0	42
10	Bilateral comparison on time differences between two pulses between TÜBİTAK UME and SASO NMCC (GULFMET.TF-S1). Metrologia, 2019, 56, 05001-05001.	1.2	0
11	A novel hybrid encryption algorithm based on chaos and S-AES algorithm. Nonlinear Dynamics, 2018, 92, 1745-1759.	5.2	72
12	A strange novel chaotic system with fully golden proportion equilibria and its mobile microcomputer-based RNG application. Chinese Journal of Physics, 2018, 56, 2852-2864.	3.9	13
13	Chaos–based encryption of multimedia data and design of security analysis interface as an educational tool. Computer Applications in Engineering Education, 2018, 26, 1336-1349.	3.4	14
14	Yeni bir kaos tabanlı rasgele sayı üreteci kullanan banka şifrematik cihazı tasarımı ve uygulaması. Journal of the Faculty of Engineering and Architecture of Gazi University, 2018, 2018, .	0.8	7
15	Amplitude Control Analysis of a Four-Wing Chaotic Attractor, its Electronic Circuit Designs and Microcontroller-Based Random Number Generator. Journal of Circuits, Systems and Computers, 2017, 26, 1750190.	1.5	53
16	Secure image encryption algorithm design using a novel chaos based S-Box. Chaos, Solitons and Fractals, 2017, 95, 92-101.	5.1	199
17	The design and implementation of hybrid RSA algorithm using a novel chaos based RNG. Chaos, Solitons and Fractals, 2017, 104, 655-667.	5.1	21
18	A novel approach for strong S-Box generation algorithm design based on chaotic scaled Zhongtang system. Nonlinear Dynamics, 2017, 87, 1081-1094.	5.2	138

#	ARTICLE	IF	CITATIONS
19	Amplitude-phase control of a novel chaotic attractor. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 1-11.	1.4	27
20	A novel chaos–based encryption algorithm over TCP data packet for secure communication. Security and Communication Networks, 2016, 9, 1285-1296.	1.5	45
21	A new three-dimensional chaotic system, its dynamical analysis and electronic circuit applications. Optik, 2016, 127, 7062-7071.	2.9	82
22	A new four-scroll chaotic attractor and its engineering applications. Optik, 2016, 127, 5491-5499.	2.9	138
23	Real time hardware implementation of the 3D chaotic oscillator which having golden-section equilibra. , 2016, , .		1
24	A new 3D chaotic system: Dynamical analysis, electronic circuit design, active control synchronization and chaotic masking communication application. Optik, 2016, 127, 4024-4030.	2.9	85
25	Hardware design and implementation of a novel ANN-based chaotic generator in FPGA. Optik, 2016, 127, 5500-5505.	2.9	69
26	Chaos-based engineering applications with a 3D chaotic system without equilibrium points. Nonlinear Dynamics, 2016, 84, 481-495.	5.2	130
27	A novel four-wing strange attractor born in bistability. IEICE Electronics Express, 2015, 12, 20141116-20141116.	0.8	39
28	Real time implementation of a novel chaotic generator on FPGA. , 2015, , .		4
29	A chaotic communication system design with chaotic on-off keying (COOK) modulation method. , 2015, , .		1
30	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, .	0.6	1
31	Electronic circuit design of Sprott H chaotic system with CCII+. , 2014, , .		2
32	Implementation of FPGA-based real time novel chaotic oscillator. Nonlinear Dynamics, 2014, 77, 49-59.	5.2	89
33	Design and implementation of chaos based true random number generator on FPGA. , 2014, , .		12
34	Analysis, synchronization and circuit design of a novel butterfly attractor. Journal of Sound and Vibration, 2014, 333, 5077-5096.	3.9	136
35	Sürekli Zamanlı Otonom Kaotik Devre Tasarımı Ve Sinyal Gizleme Uygulaması. Journal of the Faculty of Engineering and Architecture of Gazi University, 2014, 29, .	0.8	8
36	Text encryption by using one-dimensional chaos generators and nonlinear equations. , 2013, , .		21

#	Article	IF	Citations
37	SIMULATION AND CIRCUIT IMPLEMENTATION OF SPROTT CASE H CHAOTIC SYSTEM AND ITS SYNCHRONIZATION APPLICATION FOR SECURE COMMUNICATION SYSTEMS. Journal of Circuits, Systems and Computers, 2013, 22, 1350022.	1.5	36
38	Electronic circuit realization and synchronization application of Sprott 94 S chaotic system for secure communication systems. , 2013, , .		0
39	A new 3D chaotic system with golden proportion equilibria: Analysis and electronic circuit realization. Computers and Electrical Engineering, 2012, 38, 1777-1784.	4.8	37
40	Analysis, control, synchronization, and circuit design of a novel chaotic system. Mathematical and Computer Modelling, 2012, 55, 1904-1915.	2.0	203
41	Nonlinear Sprott94 Case A chaotic equation: Synchronization and masking communication applications. Computers and Electrical Engineering, 2010, 36, 1093-1100.	4.8	35
42	Rikitake Attractor and Itâ€™s Synchronization Application for Secure Communication Systems. Journal of Applied Sciences, 2007, 7, 232-236.	0.3	28
43	A new computer-controlled platform for ADC-based true random number generator and its applications. Turkish Journal of Electrical Engineering and Computer Sciences, 0, , 847-860.	1.4	10