

List of Publications by Year in descending order

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56
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594
citing authors

#	ARTICLE	IF	CITATIONS
1	UN ATTRACTEUR Ã%TRANGE (?) DU TYPE ATTRACTEUR DE HÃ%NON. Journal De Physique Colloque, 1978, 39, C5-9-C5-10.	0.2	146
2	On fractionalâ€“order discreteâ€“time systems: Chaos, stabilization and synchronization. Chaos, Solitons and Fractals, 2019, 119, 150-162.	2.5	93
3	Memfractance: A Mathematical Paradigm for Circuit Elements with Memory. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1430023.	0.7	90
4	EMERGENCE OF RANDOMNESS FROM CHAOS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250021.	0.7	46
5	Can we trust in numerical computations of chaotic solutions of dynamical systems ?. World Scientific Series on Nonlinear Science, Series A, 2013, , 63-98.	0.0	41
6	SECURE COMMUNICATIONS VIA CHAOTIC SYNCHRONIZATION II: NOISE REDUCTION BY CASCADING TWO IDENTICAL RECEIVERS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1993, 03, 1319-1325.	0.7	34
7	Design and analysis of two stream ciphers based on chaotic coupling and multiplexing techniques. Multimedia Tools and Applications, 2018, 77, 13391-13417.	2.6	27
8	COEXISTING CHAOTIC ATTRACTORS IN CHUA'S CIRCUIT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1991, 01, 923-926.	0.7	24
9	Hidden Bifurcations in the Multispiral Chua Attractor. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1630039.	0.7	24
10	Fast chaotic optimization algorithm based on locally averaged strategy and multifold chaotic attractor. Applied Mathematics and Computation, 2012, 219, 188-196.	1.4	23
11	The Design and FPGA-Based Implementation of a Stream Cipher Based on a Secure Chaotic Generator. Applied Sciences (Switzerland), 2021, 11, 625.	1.3	20
12	A New Reliable Numerical Method for Computing Chaotic Solutions of Dynamical Systems: The Chen Attractor Case. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550187.	0.7	19
13	Mem-fractive properties of mushrooms. Bioinspiration and Biomimetics, 2021, 16, 066026.	1.5	19
14	THE THEORY OF CONFINORS IN CHUAâ€™S CIRCUIT: ACCURATE ANALYSIS OF BIFURCATIONS AND ATTRACTORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1993, 03, 333-361.	0.7	18
15	CONFINORS AND BOUNDED-TIME PATTERNS IN CHUA'S CIRCUIT AND THE DOUBLE SCROLL FAMILY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1991, 01, 119-138.	0.7	15
16	FITTING TRAPPING REGIONS FOR CHUA'S ATTRACTOR â€” A NOVEL METHOD BASED ON ISOCHRONIC LINES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 205-225.	0.7	14
17	A new accurate numerical method of approximation of chaotic solutions of dynamical model equations with quadratic nonlinearities. Chaos, Solitons and Fractals, 2016, 91, 108-114.	2.5	14
18	Complex Canard Explosion in a Fractional-Order FitzHughâ€“Nagumo Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950111.	0.7	14

#	ARTICLE	IF	CITATIONS
19	Some elements for a history of the dynamical systems theory. Chaos, 2021, 31, 053110.	1.0	12
20	From chaos to randomness via geometric undersampling. ESAIM Proceedings and Surveys, 2014, 46, 177-195.	0.5	9
21	Résultat numérique de régularité du problème de Stokes et du laplacien itéré dans un polygone. ESAIM: Mathematical Modelling and Numerical Analysis, 1978, 12, 267-282.	0.5	9
22	Mixed-Mode Oscillations Based on Complex Canard Explosion in a Fractional-Order Fitzhugh-Nagumo Model.. Applied Mathematics and Nonlinear Sciences, 2020, 5, 239-256.	0.9	9
23	Secure communications via chaotic synchronization in Chua's circuit and Bonhoeffer-Van der Pol equation: numerical analysis of the errors of the recovered signal. , 0, , .		8
24	SLOW MANIFOLDS OF SOME CHAOTIC SYSTEMS WITH APPLICATIONS TO LASER SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 2729-2744.	0.7	8
25	Blondel et les oscillations auto-entretenues. Archive for History of Exact Sciences, 2012, 66, 485-530.	0.2	8
26	Robust PRNG based on homogeneously distributed chaotic dynamics. Journal of Physics: Conference Series, 2016, 692, 012011.	0.3	8
27	Designing Chaotic Mathematical Circuits for Solving Practical Problems. International Journal of Automation and Computing, 2014, 11, 588-597.	4.5	7
28	Hopf Bifurcation and Chaos in Simplest Fractional-Order Memristor-based Electrical Circuit. Indian Journal of Industrial and Applied Mathematics, 2015, 6, 105.	0.1	7
29	A computing method for bifurcation boughs of nonlinear eigenvalue problems. Bulletin of the American Mathematical Society, 1975, 81, 1127-1130.	3.0	6
30	Engineering of Mathematical Chaotic Circuits. Advances in Intelligent Systems and Computing, 2013, , 17-29.	0.5	6
31	A novel chaotic generator based on weakly-coupled discrete skewtent maps. , 2015, , .		5
32	Hopf-like bifurcation and mixed mode oscillation in a fractional-order FitzHugh-Nagumo model. AIP Conference Proceedings, 2019, , .	0.3	5
33	COMPLEXITY LEADS TO RANDOMNESS IN CHAOTIC SYSTEMS. , 2011, , .		5
34	Confinor and anti-confinor in constrained Lorenz system. Japan Journal of Industrial and Applied Mathematics, 1987, 4, 433-454.	0.3	4
35	Bifurcation analysis and chaos in simplest fractional-order electrical circuit. , 2015, , .		4
36	Bifurcation analysis of a model of tuberculosis epidemic with treatment of wider population suggesting a possible role in the seasonality of this disease. Chaos, 2021, 31, 123125.	1.0	4

#	ARTICLE	IF	CITATIONS
37	Key requirements for the design of robust chaotic PRNG. , 2016, , .		3
38	New Nonlinear CPRNG Based on Tent and Logistic Maps. Understanding Complex Systems, 2016, , 131-161.	0.3	3
39	Recovering trajectories of chaotic piecewise linear dynamical systems. , 0, , .		2
40	CHAOTIC MATHEMATICAL CIRCUITRY. , 2013, , 307-323.		2
41	How useful randomness for cryptography can emerge from multicore-implemented complex networks of chaotic maps. Journal of Difference Equations and Applications, 2017, 23, 821-859.	0.7	2
42	Special Issue on Cryptography and Its Applications in Information Security. Applied Sciences (Switzerland), 2022, 12, 2588.	1.3	2
43	Enhanced design and hardware implementation of a chaos-based block cipher for image protection. Journal of Difference Equations and Applications, 0, , 1-21.	0.7	2
44	Lightweight chaos-based cryptosystem for secure images. , 2013, , .		1
45	Computer Intelligence in Modeling, Prediction, and Analysis of Complex Dynamical Systems. Scientific World Journal, The, 2015, 2015, 1-1.	0.8	1
46	The Challenging Problem of Industrial Applications of Multicore-Generated Iterates of Nonlinear Mappings. Industrial and Applied Mathematics, 2017, , 43-76.	0.3	1
47	CONVECTION ENTRE DEUX PLAQUES PLANES EN ROTATION ET EFFET DYNAMO RÅ%SULTANT D'UNE BIFURCATION SECONDAIRE. Journal De Physique Colloque, 1978, 39, C5-15-C5-15.	0.2	1
48	The Importance of Strange Attractors for Industrial Mathematics. Applied Optimization, 2002, , 275-303.	0.4	1
49	Assessing the Security of Subsampling Process Using Modified EKF and Nonlinear Least Squares Methods. International Journal of Chaotic Computing, 2013, 2, 31-35.	0.3	1
50	Cryptography-Based Chaos via Geometric Undersampling of Ring-Coupled Attractors. Industrial and Applied Mathematics, 2015, , 1-30.	0.3	1
51	Recovering parameters of chaotic piecewise linear dynamical systems. , 0, , .		0
52	Global Orbit Patterns for Dynamical Systems On Finite Sets. , 2009, , .		0
53	Variations in the Gross Target Volume and Clinical Target Volume Evaluated by RTOG Sarcoma Radiation Oncologists for Preoperative Radiotherapy of Primary Extremity Sarcoma. International Journal of Radiation Oncology Biology Physics, 2010, 78, S620.	0.4	0
54	On the Origins of Currencies. Inference, 2017, 3, .	0.0	0

#	ARTICLE	IF	CITATIONS
55	Geometrical Model of Spiking and Bursting Neuron on a Mug-Shaped Branched Manifold. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2030044.	0.7	0