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List of Publications by Year
in descending order

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40	602	623188	610482
papers	citations	14 h-index	24 g-index

40	40	40	345
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transient dynamics and multistability in two electrically interacting FitzHughâ€“Nagumo neurons. Chaos, 2021, 31, 053107.	1.0	13
2	Characterizing the Dynamics of the Watt Governor System Under Harmonic Perturbation and Gaussian Noise. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2030001.	0.7	7
3	Transient Chaos, Hyperchaotic Dynamics, and Transport Properties in a Bailout Embedding Web Map. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2030049.	0.7	1
4	Exploring an experimental analog Chuaâ€™s circuit. European Physical Journal B, 2019, 92, 1.	0.6	5
5	Tracking multistability in the parameter space of a Chuaâ€™s circuit model. European Physical Journal B, 2019, 92, 1.	0.6	10
6	Exploring the Dynamics of a Third-Order Phase-Locked Loop Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1830038.	0.7	5
7	Describing intrinsic noise in Chua's circuit. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2420-2423.	0.9	7
8	The effect of temperature on generic stable periodic structures in the parameter space of dissipative relativistic standard map. European Physical Journal B, 2017, 90, 1.	0.6	20
9	Extensive Numerical Study and Circuitry Implementation of the Watt Governor Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750175.	0.7	14
10	Parameter space of experimental chaotic circuits with high-precision control parameters. Chaos, 2016, 26, 083107.	1.0	11
11	Stable structures in parameter space and optimal ratchet transport. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 139-149.	1.7	31
12	Bifurcation structures and transient chaos in a four-dimensional Chua model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 171-177.	0.9	38
13	Numerical bifurcation analysis of two coupled FitzHugh-Nagumo oscillators. European Physical Journal B, 2014, 87, 1.	0.6	39
14	Spiral periodic structure inside chaotic region in parameterâ€space of a Chua circuit. International Journal of Circuit Theory and Applications, 2012, 40, 189-194.	1.3	26
15	Periodicity detection on the parameter-space ofÂaÂforced Chuaâ€™s circuit. Nonlinear Dynamics, 2012, 67, 385-392.	2.7	14
16	Ratchet Transport and Periodic Structures in Parameter Space. Physical Review Letters, 2011, 106, 234101.	2.9	58
17	On the effect of a parallel resistor in the Chua's circuit. Journal of Physics: Conference Series, 2011, 285, 012005.	0.3	1
18	Lyapunov exponent diagrams of a 4-dimensional Chua system. Chaos, 2011, 21, 033105.	1.0	26

#	Article	IF	Citations
19	High-resolution parameter space of an experimental chaotic circuit. Chaos, 2010, 20, 023110.	1.0	22
20	Some two-dimensional parameter spaces of a Chua system with cubic nonlinearity. Chaos, 2010, 20, 023103.	1.0	27
21	A PARAMETER-SPACE OF A CHUA SYSTEM WITH A SMOOTH NONLINEARITY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 1351-1355.	0.7	15
22	Complex periodic structures in bi-dimensional bifurcation diagrams of a RLC circuit model with a nonlinear NDC device. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 2050-2053.	0.9	27
23	A HYPERCHAOTIC CHUA SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 3823-3828.	0.7	23
24	Self-similar structures in a 2D parameter-space of an inductorless Chua's circuit. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 4793-4798.	0.9	71
25	Inductorless Chua's Circuit: Experimental Time Series Analysis. Mathematical Problems in Engineering, 2007, 2007, 1-16.	0.6	11
26	Theoretical and experimental time series analysis of an inductorless Chuaâ€™s circuit. Physica D: Nonlinear Phenomena, 2007, 233, 66-72.	1.3	15
27	Temperature-dependent activation energy and variable range hopping in semi-insulating GaAs. Semiconductor Science and Technology, 2006, 21, 1681-1685.	1.0	22
28	Modeling chaotic current oscillations in semi-insulating GaAs with rate-equations of impact ionization and field-enhanced trapping. Brazilian Journal of Physics, 2006, 36, 248-251.	0.7	2
29	Variable range hopping conduction in low-temperature molecular beam epitaxy GaAs. Brazilian Journal of Physics, 2006, 36, 252.	0.7	6
30	Low frequency oscillations and bifurcation diagram in semi-insulating GaAs samples. Brazilian Journal of Physics, 2006, 36, 258.	0.7	0
31	Blockade of free carriers by hopping carriers leading to the low-frequency current oscillations in semi-insulating GaAs. Physical Review B, 2006, 74, .	1.1	5
32	Theoretical time series analysis from electric field oscillations generated by rate equations of generationâ€“recombination processes in n-type semiconductors. Physica D: Nonlinear Phenomena, 2005, 208, 123-130.	1.3	1
33	Reduction of variable range hopping conduction in low-temperature molecular-beam epitaxy GaAs. Journal of Applied Physics, 2004, 95, 3553-3556.	1.1	4
34	Bifurcation diagram, noise reduction and period-four cycle on low frequency current oscillations in a semi-insulating GaAs sample. Physica D: Nonlinear Phenomena, 2004, 194, 166-174.	1.3	8
35	Hall effect in InAs/GaAs superlattices with quantum dots: identifying the presence of deep level defects. Brazilian Journal of Physics, 2004, 34, 626-628.	0.7	1
36	Low frequency oscillations in semi-insulating GaAs: A nonlinear analysis. Chaos, 2003, 13, 457-466.	1.0	7

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37	Impact ionization and field-enhanced trapping: Fitting current density curves for semi-insulating GaAs. Journal of Applied Physics, 2003, 93, 1647-1650.	1.1	9
38	Dynamics of driven oscillators with complex variables on lyapunov diagrams. , 0, , .		0
39	Estudo numÃ©rico do mapa padrÃ£o dissipativo relativÃstico. , 0, , .		0
40	Characterizing the dynamics of three FitzHugh-Nagumo neurons network. , 0, , .		0