

Holokx A Albuquerque

List of Publications by Year in descending order

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40
papers

602
citations

623188

14
h-index

610482

24
g-index

40
all docs

40
docs citations

40
times ranked

345
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Ratchet Transport and Periodic Structures in Parameter Space. Physical Review Letters, 2011, 106, 234101.	2.9	58
3	Numerical bifurcation analysis of two coupled FitzHugh-Nagumo oscillators. European Physical Journal B, 2014, 87, 1.	0.6	39
4	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
5	Stable structures in parameter space and optimal ratchet transport. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 139-149.	1.7	31
6	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
7	Some two-dimensional parameter spaces of a Chua system with cubic nonlinearity. Chaos, 2010, 20, 023103.	1.0	27
8	Lyapunov exponent diagrams of a 4-dimensional Chua system. Chaos, 2011, 21, 033105.	1.0	26
9	Spiral periodic structure inside chaotic region in parameter-space of a Chua circuit. International Journal of Circuit Theory and Applications, 2012, 40, 189-194.	1.3	26
10	A HYPERCHAOTIC CHUA SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 3823-3828.	0.7	23
11	Temperature-dependent activation energy and variable range hopping in semi-insulating GaAs. Semiconductor Science and Technology, 2006, 21, 1681-1685.	1.0	22
12	High-resolution parameter space of an experimental chaotic circuit. Chaos, 2010, 20, 023110.	1.0	22
13	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
14	Theoretical and experimental time series analysis of an inductorless Chua's circuit. Physica D: Nonlinear Phenomena, 2007, 233, 66-72.	1.3	15
15	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
16	Periodicity detection on the parameter-space of a forced Chua's circuit. Nonlinear Dynamics, 2012, 67, 385-392.	2.7	14
17	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
18	Transient dynamics and multistability in two electrically interacting FitzHugh-Nagumo neurons. Chaos, 2021, 31, 053107.	1.0	13

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19	Inductorless Chua's Circuit: Experimental Time Series Analysis. <i>Mathematical Problems in Engineering</i> , 2007, 2007, 1-16.	0.6	11
20	Parameter space of experimental chaotic circuits with high-precision control parameters. <i>Chaos</i> , 2016, 26, 083107.	1.0	11
21	Tracking multistability in the parameter space of a Chua's circuit model. <i>European Physical Journal B</i> , 2019, 92, 1.	0.6	10
22	Impact ionization and field-enhanced trapping: Fitting current density curves for semi-insulating GaAs. <i>Journal of Applied Physics</i> , 2003, 93, 1647-1650.	1.1	9
23	Bifurcation diagram, noise reduction and period-four cycle on low frequency current oscillations in a semi-insulating GaAs sample. <i>Physica D: Nonlinear Phenomena</i> , 2004, 194, 166-174.	1.3	8
24	Low frequency oscillations in semi-insulating GaAs: A nonlinear analysis. <i>Chaos</i> , 2003, 13, 457-466.	1.0	7
25	Describing intrinsic noise in Chua's circuit. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 2420-2423.	0.9	7
26	Characterizing the Dynamics of the Watt Governor System Under Harmonic Perturbation and Gaussian Noise. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2030001.	0.7	7
27	Variable range hopping conduction in low-temperature molecular beam epitaxy GaAs. <i>Brazilian Journal of Physics</i> , 2006, 36, 252.	0.7	6
28	Blockade of free carriers by hopping carriers leading to the low-frequency current oscillations in semi-insulating GaAs. <i>Physical Review B</i> , 2006, 74, .	1.1	5
29	Exploring the Dynamics of a Third-Order Phase-Locked Loop Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018, 28, 1830038.	0.7	5
30	Exploring an experimental analog Chua's circuit. <i>European Physical Journal B</i> , 2019, 92, 1.	0.6	5
31	Reduction of variable range hopping conduction in low-temperature molecular-beam epitaxy GaAs. <i>Journal of Applied Physics</i> , 2004, 95, 3553-3556.	1.1	4
32	Modeling chaotic current oscillations in semi-insulating GaAs with rate-equations of impact ionization and field-enhanced trapping. <i>Brazilian Journal of Physics</i> , 2006, 36, 248-251.	0.7	2
33	Theoretical time series analysis from electric field oscillations generated by rate equations of generation-recombination processes in n-type semiconductors. <i>Physica D: Nonlinear Phenomena</i> , 2005, 208, 123-130.	1.3	1
34	On the effect of a parallel resistor in the Chua's circuit. <i>Journal of Physics: Conference Series</i> , 2011, 285, 012005.	0.3	1
35	Transient Chaos, Hyperchaotic Dynamics, and Transport Properties in a Bailout Embedding Web Map. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2030049.	0.7	1
36	Hall effect in InAs/GaAs superlattices with quantum dots: identifying the presence of deep level defects. <i>Brazilian Journal of Physics</i> , 2004, 34, 626-628.	0.7	1

#	ARTICLE	IF	CITATIONS
37	Low frequency oscillations and bifurcation diagram in semi-insulating GaAs samples. Brazilian Journal of Physics, 2006, 36, 258.	0.7	0
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