

# Luis Javier Ontañón García-Pimentel

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

221  
citations

1163117

8  
h-index

996975

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g-index

21  
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21  
docs citations

21  
times ranked

201  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of a Low-Power Embedded System Based on a SoC-FPGA and the Honeybee Search Algorithm for Real-Time Video Tracking. <i>Sensors</i> , 2022, 22, 1280.	3.8	3
2	Dynamic behavior in a pair of Lorenz systems interacting via positive-negative coupling. <i>Chaos, Solitons and Fractals</i> , 2021, 145, 110808.	5.1	7
3	Controlling Bifurcation in Electronic Implementation of Dynamical Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021, 31, 2150084.	1.7	0
4	On Synchronization of Unidirectionally Coupled Multi-Scroll Systems: Dynamic vs Static Interconnections. <i>IFAC-PapersOnLine</i> , 2021, 54, 53-58.	0.9	2
5	Synchronization in Dynamically Coupled Fractional-Order Chaotic Systems: Studying the Effects of Fractional Derivatives. <i>Complexity</i> , 2021, 2021, 1-12.	1.6	2
6	Electronic implementation of a dynamical network with nearly identical hybrid nodes via unstable dissipative systems. <i>Chaos, Solitons and Fractals</i> , 2019, 127, 272-282.	5.1	3
7	Bifurcation from chaos to periodic states in bidirectional interconnected Lorenz systems by the variation of the coupling strengths. <i>IFAC-PapersOnLine</i> , 2018, 51, 86-90.	0.9	4
8	Widening of the basins of attraction of a multistable switching dynamical system with the location of symmetric equilibria. <i>Nonlinear Analysis: Hybrid Systems</i> , 2017, 26, 38-47.	3.5	20
9	Influence of Background Noise Produced in University Facilities on the Brain Waves Associated With Attention of Students and Employees. <i>Perception</i> , 2017, 46, 1105-1117.	1.2	5
10	Multistability in Piecewise Linear Systems versus Eigenspectra Variation and Round Function. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1730031.	1.7	24
11	Analog Electronic Implementation of Unstable Dissipative Systems of Type I with Multi-Scrolls Displaced Along Space. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750093.	1.7	8
12	Analog Electronic Implementation of a Class of Hybrid Dissipative Dynamical System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650018.	1.7	15
13	Hyperchaotic encryption based on multi-scroll piecewise linear systems. <i>Applied Mathematics and Computation</i> , 2015, 270, 413-424.	2.2	48
14	A family of hyperchaotic multi-scroll attractors in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si25.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="bold" \rangle R \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle n \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Applied Mathematics and Computation, 2014, 233, 522-533.	2.2	38
15	Generalized multistable structure via chaotic synchronization and preservation of scrolls. <i>Journal of the Franklin Institute</i> , 2013, 350, 2853-2866.	3.4	15
16	Preservation of a two-wing Lorenz-like attractor with stable equilibria. <i>Journal of the Franklin Institute</i> , 2013, 350, 2867-2880.	3.4	10
17	Multivalued synchronization by Poincaré coupling. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 2761-2768.	3.3	7
18	Discrete Coupling and Synchronization in the Insulin Release in the Mathematical Model of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="bold-italic" \rangle \hat{I}^2 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Cells. <i>Discrete Dynamics in Nature and Society</i> , 2013, 2013, 1-7.	0.9	6

#	ARTICLE	IF	CITATIONS
19	Grayscale image encryption using a hyperchaotic unstable dissipative system. , 2013, , .		1
20	Generation of Multiscroll Attractors by Controlling the Equilibria. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 111-114.	0.4	3