Luz del Carmen GÃ³mez-PavÃ³n

List of Publications by Year
in descending order

43 papers	281 citations	1040056 9 h-index	940533 16 g-index
43 all docs	43 docs citations	43 times ranked	360 citing authors

#	Article	IF	Citations
1	Two New Asymmetric Boolean Chaos Oscillators with No Dependence on Incommensurate Time-Delays and Their Circuit Implementation. Symmetry, 2020, 12, 506.	2.2	9
2	CMOS Analog Filter Design for Very High Frequency Applications. Electronics (Switzerland), 2020, 9, 362.	3.1	11
3	Paraxial and tightly focused behaviour of the double ring perfect optical vortex. Optics Express, 2020, 28, 28713.	3.4	9
4	Partially coherent Bessel vortex superposition with linear charge increase and aligned maxima. Journal of Optics (United Kingdom), 2019, 21, 115603.	2.2	1
5	Multiband Flexible Antenna for Wearable Personal Communications. Wireless Personal Communications, 2018, 100, 1753-1764.	2.7	20
6	Synchronization in a fractional-order model of pancreatic Î²-cells. European Physical Journal: Special Topics, 2018, 227, 907-919.	2.6	17
7	Text encryption device based on a chaotic random bit generator. , 2018, , .		7
8	Influence on the saturable absorption of the induced losses by photodeposition of zinc nanoparticles in an optical fiber. Optics Express, 2018, 26, 1556.	3.4	8
9	Photodeposition of SWCNTs onto the optical fiber end to assemble a Q-switched Er3+-doped fiber laser. Optics and Laser Technology, 2017, 91, 32-35.	4.6	7
10	Passively Q-switched erbium-doped fiber laser based on Zn nanoparticles as a saturable absorber. Laser Physics, 2017, 27, 105101.	1.2	10
11	Tapered Optical Fiber Functionalized with Palladium Nanoparticles by Drop Casting and Laser Radiation for H2 and Volatile Organic Compounds Sensing Purposes. Sensors, 2017, 17, 2039.	3.8	13
12	Chaotic Planning Paths Generators by Using Performance Surfaces. Studies in Computational Intelligence, 2017, , 805-832.	0.9	5
13	Behavioral Modeling of Chaos-Based Applications by Using Verilog-A. Studies in Computational Intelligence, 2017, , 553-579.	0.9	0
14	Comparative study of nonlinear absorption of ZnNPs and AgNPs photodeposited onto the core of an optical fiber. , 2016, , .		0
15	Optical Response in Subwavelength Optical Fibers with Nanostructured Materials. , 2016, , .		0
16	Design and Fabrication of Subwavelength Optical Fiber. , 2016, , .		0
17	Self-compression of coupled cnoidal waves. Journal of Nonlinear Optical Physics and Materials, 2015, 24, 1550010.	1.8	1
18	Fault conditions of a simple chaotic circuit under capacitor nonlinear effects. , 2015, , .		1

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19	Synchronous Chaos Generation in an <inline-formula> <tex-math notation="TeX">${m Er}^{3+}$</tex-math></inline-formula>-Doped Fiber Laser System. IEEE Photonics Journal, 2015, 7, 1-6.	2.0	5
20	Controlled robotic cell using visual servoing. , 2014, , .		0
21	Sensitivity analysis of multi-scroll chaotic oscillators at circuit level. , 2014, , .		2
22	Quasi-optimal values in the Hamiltonian-based synchronization of chaotic systems. , 2014, , .		0
23	Saturable absorption of SWCNTs photodeposited onto the core of an optical fiber. , 2014, , .		0
24	High gain pulsed erbium-doped fiber amplifier for the nonlinear characterization of SWCNTs photodeposited on optical fibers. Optics and Laser Technology, 2013, 52, 15-20.	4.6	18
25	Determining the number of scrolls in a multi-scroll chaotic oscillator under uncertainties. , 2013, , .		1
26	Determining the Lyapunov Spectrum of Continuous-Time 1D and 2D Multiscroll Chaotic Oscillators via the Solution of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi>m</mml:mi></mml:mrow></mml:math>-PWL Variational Equations. Abstract and Applied Analysis, 2013, 2013, 1-11.	0.7	7
27	On the Synchronization of 1D and 2D Multi-scroll Chaotic Oscillators. Studies in Computational Intelligence, 2013, , 19-40.	0.9	1
28	On the Synchronization of 1D and 2D Multi-scroll Chaotic Oscillators. Studies in Computational Intelligence, 2013, , 19-40.	0.9	0
29	Synchronization of PWL function-based 2D and 3D multi-scroll chaotic systems. Nonlinear Dynamics, 2012, 70, 1633-1643.	5.2	88
30	Synchronous Pulse Generation in an Array of Three $ hbox{Er}^{3 +}$-Doped Fiber Lasers. IEEE Photonics Journal, 2012, 4, 671-678.	2.0	2
31	Synchronization of multi-directional multi-scroll chaos generators: A Hamiltonian approach. , 2011, , .		4
32	Wave propagation in a multiple interfaces nanowaveguide. , 2011, , .		0
33	Influence of geometry of waveguide arrays to get discrete solitons. , 2011, , .		1
34	Multicavity fiber laser. , 2008, , .		0
35	Analysis of the propagation of low dimensional optical wave. , 2008, , .		0
36	Experimental Study of a Multicavity Fiber Laser System. AIP Conference Proceedings, 2008, , .	0.4	0

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37	Photonic band-gap on dispersion curves of propagation modes of a two concentric. , 2006, , .		0
38	Synchronous pulse generation in a multicavity fiber laser system. , 2006, , .		2
39	Compensation of third-order dispersion in a 100â€‰Gb/s single channel system with in-line fibre Bragg gratings. Journal of Modern Optics, 2005, 52, 1197-1206.	1.3	10
40	<title>Dependence of the dispersion curves of a two-concentric-core optical fiber to the refraction index</title>. , 2004, , .		0
41	Synchronous mode-locking in multichannel fiber laser systems. Optics Communications, 2001, 191, 323-332.	2.1	3
42	Self-mode-locking action in a dual-core ring fiber laser. Optics Communications, 2001, 194, 409-414.	2.1	18
43	Dynamics of soliton-like pulse generation in a multichannel fiber laser system. , 2000, , .		0