Hugo L D De S Cavalcante

List of Publications by Year
in descending order

34 papers	442 citations	933447 10 h-index	713466 21 g-index
34 all docs	34 docs citations	34 times ranked	420 citing authors

#	Article	IF	Citations
1	Internal nonlinear transmission in an Yb mode-locked fiber laser through bifurcations. Optics Communications, 2020, 461, 125154.	2.1	3
2	Controlling the intensity statistics of speckle patterns: From normal to subthermal or superthermal distributions. Physical Review A, 2019, 99, .	2.5	5
3	Propagation of Photons in a Resonant Atomic Vapor. , 2016, , .		0
4	Stabilization of a laser on a large-detuned atomic-reference frequency by resonant interferometry. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 085401.	1.5	5
5	Local instability driving extreme events in a pair of coupled chaotic electronic circuits. Physical Review E, 2016, 93, 062209.	2.1	11
6	Controllable frequency hysteresis in semiconductor lasers. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 328.	2.1	1
7	Characterization of diffusion processes: Normal and anomalous regimes. Physica A: Statistical Mechanics and Its Applications, 2016, 447, 392-401.	2.6	24
8	Laser Frequency Stabilization in the Wings of an Atomic Absorption Spectrum. , 2016, , .		0
9	Control of chirality of frequency hysteresis. , 2016, , .		0
10	Redistribution of light frequency by multiple scattering in a resonant atomic vapor. Physical Review A, 2015, 91, .	2.5	10
11	Predictability and Suppression of Extreme Events in a Chaotic System. Physical Review Letters, 2013, 111, 198701.	7.8	101
12	Two-beam nonlinear Kerr effect to stabilize laser frequency with sub-Doppler resolution. Applied Optics, 2012, 51, 5080.	1.8	5
13	Subwavelength Position Sensing Using Nonlinear Feedback and Wave Chaos. Physical Review Letters, 2011, 107, 254103.	7.8	19
14	On the origin of chaos in autonomous BooleanÂnetworks. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 495-513.	3.4	34
15	Boolean chaos. Physical Review E, 2009, 80, 045202.	2.1	72
16	Experimental bifurcations and homoclinic chaos in a laser with a saturable absorber. Chaos, 2008, 18, 023107.	2.5	15
17	Coarse Grained Variables and Deterministic Chaos in an Excitable System. Physical Review Letters, 2008, 100, 044101.	7.8	3
18	Simple cold-atom systems as a probe for complex dynamics. , 2007, , .		0

#	Article	IF	Citations
19	Quantum scaling laws in the onset of dynamical delocalization. , 2007, , .		1
20	Exponential recovery of low frequency fluctuations in a diode laser with optical feedback. Optics Communications, 2007, 271, 487-491.	2.1	2
21	Quantum Scaling Laws in the Onset of Dynamical Delocalization. Physical Review Letters, 2006, 97, 264101.	7.8	13
22	Phase-space reconstruction of an atomic chaotic system. Physical Review A, 2005, 72, .	2.5	3
23	Logarithmic Periodicities in the Bifurcations of Type-I Intermittent Chaos. Physical Review Letters, 2004, 92, 254102.	7.8	4
24	Deterministic Coherence Resonance in Semiconductor Lasers. AIP Conference Proceedings, 2004, , .	0.4	0
25	Fine structure in the scaling of type-I intermittency bifurcations. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 356-362.	2.6	2
26	Experimental Deterministic Coherence Resonance. Physical Review Letters, 2004, 93, 144101.	7.8	46
27	Intensity coupling and synchronization of chaotic lasers. Chaos, 2003, 13, 209-216.	2.5	2
28	Averages and critical exponents in type-III intermittent chaos. Physical Review E, 2002, 66, 026210.	2.1	10
29	Delayed coupling of logistic maps. Physical Review E, 2001, 64, 037202.	2.1	29
30	Power law periodicity in the tangent bifurcations of the logistic map. Physica A: Statistical Mechanics and Its Applications, 2001, 295, 291-296.	2.6	6
31	Bifurcations and averages in the homoclinic chaos of a laser with a saturable absorber. Physica A: Statistical Mechanics and Its Applications, 2000, 283, 125-130.	2.6	6
32	Bifurcations and averages in the logistic map. Dynamical Systems, 2000, 15, 35-41.	0.7	10
33	Recovery time in the low frequency fluctuations of a semiconductor laser with optical feedback. , 0, , .		0
34	Effect of attractor on the desynchronization events in coupled chaotic circuits. , 0, , .		0