

Hugo L D De S Cavalcante

List of Publications by Year in descending order

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34
papers

442
citations

933447

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713466

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g-index

34
all docs

34
docs citations

34
times ranked

420
citing authors

#	ARTICLE	IF	CITATIONS
1	Predictability and Suppression of Extreme Events in a Chaotic System. <i>Physical Review Letters</i> , 2013, 111, 198701.	7.8	101
2	Boolean chaos. <i>Physical Review E</i> , 2009, 80, 045202.	2.1	72
3	Experimental Deterministic Coherence Resonance. <i>Physical Review Letters</i> , 2004, 93, 144101.	7.8	46
4	On the origin of chaos in autonomous Boolean networks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 495-513.	3.4	34
5	Delayed coupling of logistic maps. <i>Physical Review E</i> , 2001, 64, 037202.	2.1	29
6	Characterization of diffusion processes: Normal and anomalous regimes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 447, 392-401.	2.6	24
7	Subwavelength Position Sensing Using Nonlinear Feedback and Wave Chaos. <i>Physical Review Letters</i> , 2011, 107, 254103.	7.8	19
8	Experimental bifurcations and homoclinic chaos in a laser with a saturable absorber. <i>Chaos</i> , 2008, 18, 023107.	2.5	15
9	Quantum Scaling Laws in the Onset of Dynamical Delocalization. <i>Physical Review Letters</i> , 2006, 97, 264101.	7.8	13
10	Local instability driving extreme events in a pair of coupled chaotic electronic circuits. <i>Physical Review E</i> , 2016, 93, 062209.	2.1	11
11	Bifurcations and averages in the logistic map. <i>Dynamical Systems</i> , 2000, 15, 35-41.	0.7	10
12	Averages and critical exponents in type-III intermittent chaos. <i>Physical Review E</i> , 2002, 66, 026210.	2.1	10
13	Redistribution of light frequency by multiple scattering in a resonant atomic vapor. <i>Physical Review A</i> , 2015, 91, .	2.5	10
14	Bifurcations and averages in the homoclinic chaos of a laser with a saturable absorber. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 283, 125-130.	2.6	6
15	Power law periodicity in the tangent bifurcations of the logistic map. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 295, 291-296.	2.6	6
16	Two-beam nonlinear Kerr effect to stabilize laser frequency with sub-Doppler resolution. <i>Applied Optics</i> , 2012, 51, 5080.	1.8	5
17	Stabilization of a laser on a large-detuned atomic-reference frequency by resonant interferometry. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 085401.	1.5	5
18	Controlling the intensity statistics of speckle patterns: From normal to subthermal or superthermal distributions. <i>Physical Review A</i> , 2019, 99, .	2.5	5

#	ARTICLE	IF	CITATIONS
19	Logarithmic Periodicities in the Bifurcations of Type-I Intermittent Chaos. Physical Review Letters, 2004, 92, 254102.	7.8	4
20	Phase-space reconstruction of an atomic chaotic system. Physical Review A, 2005, 72, .	2.5	3
21	Coarse Grained Variables and Deterministic Chaos in an Excitable System. Physical Review Letters, 2008, 100, 044101.	7.8	3
22	Internal nonlinear transmission in an Yb mode-locked fiber laser through bifurcations. Optics Communications, 2020, 461, 125154.	2.1	3
23	Intensity coupling and synchronization of chaotic lasers. Chaos, 2003, 13, 209-216.	2.5	2
24	Fine structure in the scaling of type-I intermittency bifurcations. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 356-362.	2.6	2
25	Exponential recovery of low frequency fluctuations in a diode laser with optical feedback. Optics Communications, 2007, 271, 487-491.	2.1	2
26	Quantum scaling laws in the onset of dynamical delocalization. , 2007, , .		1
27	Controllable frequency hysteresis in semiconductor lasers. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 328.	2.1	1
28	Deterministic Coherence Resonance in Semiconductor Lasers. AIP Conference Proceedings, 2004, , .	0.4	0
29	Recovery time in the low frequency fluctuations of a semiconductor laser with optical feedback. , 0, , .		0
30	Simple cold-atom systems as a probe for complex dynamics. , 2007, , .		0
31	Propagation of Photons in a Resonant Atomic Vapor. , 2016, , .		0
32	Effect of attractor on the desynchronization events in coupled chaotic circuits. , 0, , .		0
33	Laser Frequency Stabilization in the Wings of an Atomic Absorption Spectrum. , 2016, , .		0
34	Control of chirality of frequency hysteresis. , 2016, , .		0