

Jose C Sartorelli

List of Publications by Year in descending order

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54
papers

730
citations

430754

18
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580701

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g-index

54
all docs

54
docs citations

54
times ranked

472
citing authors

#	ARTICLE	IF	CITATIONS
1	Crisis and intermittence in a leaky-faucet experiment. <i>Physical Review E</i> , 1994, 49, 3963-3975.	0.8	55
2	Long-range anticorrelations and non-Gaussian behavior of a leaky faucet. <i>Physical Review E</i> , 1995, 52, R2168-R2171.	0.8	41
3	Parametric resonances in a base-excited double pendulum. <i>Nonlinear Dynamics</i> , 2012, 69, 1679-1692.	2.7	40
4	Chaotic behavior in bubble formation dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 275, 336-346.	1.2	39
5	Bubble and spherical air shell formation dynamics. <i>Physical Review E</i> , 2002, 66, 056204.	0.8	37
6	Phase synchronization in the perturbed Chua circuit. <i>Physical Review E</i> , 2003, 67, 056212.	0.8	37
7	Experimental observation of a complex periodic window. <i>Physical Review E</i> , 2008, 77, 037202.	0.8	35
8	Whole Cell Stochastic Model Reproduces the Irregularities Found in the Membrane Potential of Bursting Neurons. <i>Journal of Neurophysiology</i> , 2005, 94, 1169-1179.	0.9	27
9	Hopf bifurcation in a leaky faucet experiment. <i>Physical Review E</i> , 1995, 52, 6896-6899.	0.8	26
10	Inferring statistical complexity in the dripping faucet experiment. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 257, 385-389.	1.2	24
11	Simulations in a dripping faucet experiment. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999, 255, 58-64.	0.9	22
12	The circle map dynamics in air bubble formation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 287, 74-80.	0.9	22
13	Mutual Information Rate and Bounds for It. <i>PLoS ONE</i> , 2012, 7, e46745.	1.1	22
14	Period-adding bifurcations and chaos in a bubble column. <i>Chaos</i> , 2004, 14, 477-486.	1.0	20
15	Some dynamical aspects of the water drop formation in a leaky faucet. <i>Physical Review E</i> , 1996, 54, 2378-2383.	0.8	19
16	A scale law in a dripping faucet. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997, 226, 269-274.	0.9	19
17	HÄnon-like attractor in air bubble formation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 275, 211-217.	0.9	19
18	Non-transitive maps in phase synchronization. <i>Physica D: Nonlinear Phenomena</i> , 2005, 212, 216-232.	1.3	18

#	ARTICLE	IF	CITATIONS
19	Period-adding route in sparkling bubbles. <i>Physical Review E</i> , 2005, 72, 037204.	0.8	18
20		1.2	17
21	Interior crises in a dripping faucet experiment. <i>Physical Review E</i> , 1998, 58, 4009-4011.	0.8	13
22	Homoclinic tangency and chaotic attractor disappearance in a dripping faucet experiment. <i>Physical Review E</i> , 2000, 61, 342-347.	0.8	13
23	Symbolic dynamics analysis in the dripping faucet experiment. <i>Physica D: Nonlinear Phenomena</i> , 1999, 134, 267-274.	1.3	12
24	Parameter space of experimental chaotic circuits with high-precision control parameters. <i>Chaos</i> , 2016, 26, 083107.	1.0	11
25	EPR Spectra of Ni (BF ₄) ₂ ·6H ₂ O between 100 and 300 K. <i>Journal of the Physical Society of Japan</i> , 1979, 46, 26-29.	0.7	10
26	Heteroclinic behavior in a dripping faucet experiment. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 300, 192-198.	0.9	9
27	Bistability in bubble formation. <i>Physical Review E</i> , 2004, 70, 066215.	0.8	9
28	Champagne Experiences Various Rhythmical Bubbling Regimes in a Flute. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 6989-6994.	2.4	9
29	A Modeling Approach on Why Simple Central Pattern Generators Are Built of Irregular Neurons. <i>PLoS ONE</i> , 2015, 10, e0120314.	1.1	9
30	Explosion of chaotic bubbling. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 308, 15-24.	1.2	8
31	Dynamical estimates of chaotic systems from Poincaré recurrences. <i>Chaos</i> , 2009, 19, 043115.	1.0	8
32	Period adding cascades: Experiment and modeling in air bubbling. <i>Chaos</i> , 2012, 22, 013135.	1.0	8
33	Communication-Based on Topology Preservation of Chaotic Dynamics. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003, 13, 2551-2560.	0.7	6
34	Universality of rescaled curvature distributions. <i>Physical Review E</i> , 2005, 71, 037201.	0.8	5
35	Global bifurcation destroying the experimental torus. <i>Physical Review E</i> , 2006, 73, 017201.	0.8	5
36	Missing levels in acoustic resonators. <i>Physical Review E</i> , 2008, 78, 055201.	0.8	5

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37	A scenario for torus T2 destruction via a global bifurcation. Chaos, Solitons and Fractals, 2009, 39, 2198-2210.	2.5	5
38	NMR determination of the order-parameter exponent $\hat{\nu}^2$ in Fe _{0.46} Zn _{0.54} F ₂ . Physical Review B, 1992, 45, 10779-10782.	1.1	4
39	Synchronization of two bubble trains in a viscous fluid: Experiment and numerical simulation. Physical Review E, 2013, 87, 022917.	0.8	4
40	Dripping faucet dynamics in a nonuniform electric field. Chaos, 2018, 28, 113101.	1.0	4
41	Homoclinic tangencies and routes to chaos in a dripping faucet experiment. Physica A: Statistical Mechanics and Its Applications, 2001, 291, 244-254.	1.2	3
42	Chaotic bubbling and nonstagnant foams. Physical Review E, 2007, 75, 066216.	0.8	3
43	Dynamics of a parametrically excited simple pendulum. Chaos, 2018, 28, 033103.	1.0	3
44	Evidence for multipolar charge distribution in falling water drops. Journal of Applied Physics, 1996, 80, 6021-6027.	1.1	2
45	Arnold family in acoustically forced air bubble formation. Chaos, Solitons and Fractals, 2009, 41, 1041-1049.	2.5	2
46	Experimental identification of chaotic fibers. Chaos, Solitons and Fractals, 2009, 39, 9-16.	2.5	1
47	Sound synchronization of bubble trains in a viscous fluid: Experiment and modeling. Physical Review E, 2014, 90, 042902.	0.8	1
48	Tilted excitation implies odd periodic resonances. Physical Review E, 2016, 94, 012202.	0.8	1
49	EPR lineshape function for Ni ²⁺ . Journal of Magnetic Resonance, 1986, 70, 299-302.	0.5	0
50	An algorithm for the matrix representation of ESR Hamiltonians. Computers & Chemistry, 1996, 20, 275-277.	1.2	0
51	Circle Map Dynamics in the Bubble Gun Experiment. AIP Conference Proceedings, 2002, , .	0.3	0
52	Experimental Chaotic Bubbling. AIP Conference Proceedings, 2003, , .	0.3	0
53	Phase Synchronization and invariant measures in sinusoidally perturbed chaotic systems. AIP Conference Proceedings, 2004, , .	0.3	0
54	Random Matrix Thermodynamics. AIP Conference Proceedings, 2006, , .	0.3	0