

# Jose C Sartorelli

## List of Publications by Year in descending order

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54  
papers

730  
citations

430754

18  
h-index

580701

25  
g-index

54  
all docs

54  
docs citations

54  
times ranked

472  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of a parametrically excited simple pendulum. <i>Chaos</i> , 2018, 28, 033103.	1.0	3
2	Dripping faucet dynamics in a nonuniform electric field. <i>Chaos</i> , 2018, 28, 113101.	1.0	4
3	Parameter space of experimental chaotic circuits with high-precision control parameters. <i>Chaos</i> , 2016, 26, 083107.	1.0	11
4	Tilted excitation implies odd periodic resonances. <i>Physical Review E</i> , 2016, 94, 012202.	0.8	1
5	A Modeling Approach on Why Simple Central Pattern Generators Are Built of Irregular Neurons. <i>PLoS ONE</i> , 2015, 10, e0120314.	1.1	9
6	Sound synchronization of bubble trains in a viscous fluid: Experiment and modeling. <i>Physical Review E</i> , 2014, 90, 042902.	0.8	1
7	Synchronization of two bubble trains in a viscous fluid: Experiment and numerical simulation. <i>Physical Review E</i> , 2013, 87, 022917.	0.8	4
8	Period adding cascades: Experiment and modeling in air bubbling. <i>Chaos</i> , 2012, 22, 013135.	1.0	8
9	Mutual Information Rate and Bounds for It. <i>PLoS ONE</i> , 2012, 7, e46745.	1.1	22
10	Parametric resonances in a base-excited double pendulum. <i>Nonlinear Dynamics</i> , 2012, 69, 1679-1692.	2.7	40
11	Dynamical estimates of chaotic systems from Poincaré recurrences. <i>Chaos</i> , 2009, 19, 043115.	1.0	8
12	Experimental identification of chaotic fibers. <i>Chaos, Solitons and Fractals</i> , 2009, 39, 9-16.	2.5	1
13	A scenario for torus T2 destruction via a global bifurcation. <i>Chaos, Solitons and Fractals</i> , 2009, 39, 2198-2210.	2.5	5
14	Arnold family in acoustically forced air bubble formation. <i>Chaos, Solitons and Fractals</i> , 2009, 41, 1041-1049.	2.5	2
15	Missing levels in acoustic resonators. <i>Physical Review E</i> , 2008, 78, 055201.	0.8	5
16	Experimental observation of a complex periodic window. <i>Physical Review E</i> , 2008, 77, 037202.	0.8	35
17	Chaotic bubbling and nonstagnant foams. <i>Physical Review E</i> , 2007, 75, 066216.	0.8	3
18	Champagne Experiences Various Rhythmical Bubbling Regimes in a Flute. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 6989-6994.	2.4	9

#	ARTICLE	IF	CITATIONS
19	Random Matrix Thermodynamics. AIP Conference Proceedings, 2006, , .	0.3	0
20	Global bifurcation destroying the experimental torusT2. Physical Review E, 2006, 73, 017201.	0.8	5
21	Whole Cell Stochastic Model Reproduces the Irregularities Found in the Membrane Potential of Bursting Neurons. Journal of Neurophysiology, 2005, 94, 1169-1179.	0.9	27
22	Non-transitive maps in phase synchronization. Physica D: Nonlinear Phenomena, 2005, 212, 216-232.	1.3	18
23	Period-adding route in sparkling bubbles. Physical Review E, 2005, 72, 037204.	0.8	18
24	Universality of rescaled curvature distributions. Physical Review E, 2005, 71, 037201.	0.8	5
25	Phase Synchronization and invariant measures in sinusoidally perturbed chaotic systems. AIP Conference Proceedings, 2004, , .	0.3	0
26	Bistability in bubble formation. Physical Review E, 2004, 70, 066215.	0.8	9
27	Period-adding bifurcations and chaos in a bubble column. Chaos, 2004, 14, 477-486.	1.0	20
28	Communication-Based on Topology Preservation of Chaotic Dynamics. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 2551-2560.	0.7	6
29	Phase synchronization in the perturbed Chua circuit. Physical Review E, 2003, 67, 056212.	0.8	37
30	Experimental Chaotic Bubbling. AIP Conference Proceedings, 2003, , .	0.3	0
31	Bubble and spherical air shell formation dynamics. Physical Review E, 2002, 66, 056204.	0.8	37
32	Circle Map Dynamics in the Bubble Gun Experiment. AIP Conference Proceedings, 2002, , .	0.3	0
33	Heteroclinic behavior in a dripping faucet experiment. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 300, 192-198.	0.9	9
34	Explosion of chaotic bubbling. Physica A: Statistical Mechanics and Its Applications, 2002, 308, 15-24.	1.2	8
35	The circle map dynamics in air bubble formation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 287, 74-80.	0.9	22
36	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

#	ARTICLE	IF	CITATIONS
37	HÄ©non-like attractor in air bubble formation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 275, 211-217.	0.9	19
38	Chaotic behavior in bubble formation dynamics. Physica A: Statistical Mechanics and Its Applications, 2000, 275, 336-346.	1.2	39
39	Homoclinic tangency and chaotic attractor disappearance in a dripping faucet experiment. Physical Review E, 2000, 61, 342-347.	0.8	13
40	Simulations in a dripping faucet experiment. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 255, 58-64.	0.9	22
41	Symbolic dynamics analysis in the dripping faucet experiment. Physica D: Nonlinear Phenomena, 1999, 134, 267-274.	1.3	12
42	Inferring statistical complexity in the dripping faucet experiment. Physica A: Statistical Mechanics and Its Applications, 1998, 257, 385-389.	1.2	24
43	Interior crises in a dripping faucet experiment. Physical Review E, 1998, 58, 4009-4011.	0.8	13
44	A scale law in a dripping faucet. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 226, 269-274.	0.9	19
45	An algorithm for the matrix representation of ESR Hamiltonians. Computers & Chemistry, 1996, 20, 275-277.	1.2	0
46	Evidence for multipolar charge distribution in falling water drops. Journal of Applied Physics, 1996, 80, 6021-6027.	1.1	2
47	Some dynamical aspects of the water drop formation in a leaky faucet. Physical Review E, 1996, 54, 2378-2383.	0.8	19
48	Long-range anticorrelations and non-Gaussian behavior of a leaky faucet. Physical Review E, 1995, 52, R2168-R2171.	0.8	41
49	Hopf bifurcation in a leaky faucet experiment. Physical Review E, 1995, 52, 6896-6899.	0.8	26
50	Crisis and intermittence in a leaky-faucet experiment. Physical Review E, 1994, 49, 3963-3975.	0.8	55
51	NMR determination of the order-parameter exponent $\hat{\nu}^2$ in $\text{Fe}_{0.46}\text{Zn}_{0.54}\text{F}_2$ . Physical Review B, 1992, 45, 10779-10782.	1.1	4
52	EPR lineshape function for $\text{Ni}^{2+}$ . Journal of Magnetic Resonance, 1986, 70, 299-302.	0.5	0
53	EPR Spectra of $\text{Ni}(\text{BF}_4)_2 \cdot 6\text{H}_2\text{O}$ between 100 and 300 K. Journal of the Physical Society of Japan, 1979, 46, 26-29.	0.7	10
54		1.2	17