Jose Gomez-OrdoÃ±ez

List of Publications by Year
in descending order

36 papers	531 citations	759233 12 h-index	677142 22 g-index
36 all docs	36 docs citations	36 times ranked	256 citing authors

#	Article	IF	Citations
1	Checking the Validity of Truncating the Cumulant Hierarchy Description of a Small System. Advances in Dynamics, Patterns, Cognition, 2014, , 377-387.	0.3	1
2	Behavior of a single element in a finite stochastic array. Physical Review E, 2012, 85, 051121.	2.1	0
3	Arrays of noisy bistable elements with nearest neighbor coupling: equilibrium and stochastic resonance. European Physical Journal B, 2011, 82, 179-187.	1.5	6
4	System size stochastic resonance in driven finite arrays of coupled bistable elements. European Physical Journal B, 2010, 74, 211-215.	1.5	6
5	Equilibrium and stochastic resonance in finite chains of noisy bistable elements. Chemical Physics, 2010, 375, 416-423.	1.9	3
6	Stochastic resonance in finite arrays of bistable elements with local coupling. European Physical Journal B, 2009, 69, 59-64.	1.5	7
7	Statistical mechanics of finite arrays of coupled bistable elements. Europhysics Letters, 2009, 88, 40006.	2.0	6
8	Role of fluctuations in the response of coupled bistable units to weak time-periodic driving forces. Physical Review E, 2008, 78, 021109.	2.1	7
9	Very large stochastic resonance gains in finite sets of interacting identical subsystems driven by subthreshold rectangular pulses. Physical Review E, 2007, 75, 062102.	2.1	11
10	Noise-induced forced synchronization of global variables in coupled bistable systems. Europhysics Letters, 2007, 79, 50002.	2.0	9
11	Stochastic resonance of collective variables in finite sets of interacting identical subsystems. Physical Review E, 2006, 73, 011109.	2.1	31
12	Two-state Markovian theory of input–output frequency and phase synchronization. Physica A: Statistical Mechanics and Its Applications, 2005, 351, 117-125.	2.6	3
13	Stochastic resonance: Theory and numerics. Chaos, 2005, 15, 026115.	2.5	46
14	Theory of frequency and phase synchronization in a rocked bistable stochastic system. Physical Review E, 2005, 71, 011101.	2.1	27
15	Nonlinear stochastic resonance with subthreshold rectangular pulses. Physical Review E, 2004, 69, 067101.	2.1	12
16	Gain in stochastic resonance: ƒ Precise numerics versus linear response theory beyond the two-mode approximation. Physical Review E, 2003, 67, 036109.	2.1	45
17	Two-State Theory of Nonlinear Stochastic Resonance. Physical Review Letters, 2003, 91, 210601.	7.8	59
18	Subthreshold stochastic resonance: Rectangular signals can cause anomalous large gains. Physical Review E, 2003, 68, 061104.	2.1	33

#	Article	IF	Citations
19	CHECKING LINEAR RESPONSE THEORY IN DRIVEN BISTABLE SYSTEMS. Fluctuation and Noise Letters, 2002, 02, L127-L138.	1.5	12
20	Rocking bistable systems: Use and abuse of linear response theory. Europhysics Letters, 2002, 58, 342-348.	2.0	22
21	Distribution of escape times for a deterministically driven bistable system. Physical Review E, 2000, 61, 261-266.	2.1	3
22	Dispersion of the Prehistory Distribution: Analog Experiments and Numerical Results. Physical Review Letters, 1998, 80, 2273-2276.	7.8	5
23	Brownian dynamics simulation of the prehistory problem. Physical Review E, 1997, 55, 1521-1524.	2.1	10
24	Prehistory problem for systems driven by white noise. Physical Review E, 1996, 54, 2125-2127.	2.1	5
25	Amplification and distortion of a periodic rectangular driving signal by a noisy bistable system. Physical Review E, 1995, 51, 999-1003.	2.1	17
26	Stochastic resonance in a mean-field model of cooperative behavior. Physical Review E, 1995, 52, 316-320.	2.1	63
27	Response of a stochastic bistable model driven by strong time-dependent fields. Physical Review E, 1994, 49, 4919-4924.	2.1	5
28	Phase shifts in driven stochastic nonlinear systems. Physical Review Letters, 1993, 71, 9-11.	7.8	18
29	Time-correlation function in a stochastic bistable model. Physical Review A, 1992, 46, 6738-6741.	2.5	6
30	Numerical analysis of the Smoluchowski equation using the split operator method. Physica A: Statistical Mechanics and Its Applications, 1992, 183, 490-507.	2.6	10
31	Simulation results for the velocity autocorrelation function in a bond percolation model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 136, 26-29.	2.1	0
32	Diffusion in a 2D bond percolation model. A Monte Carlo simulation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 127, 5-8.	2.1	7
33	A molecular dynamics study of the overpopulation phenomena in a two€region system. Journal of Chemical Physics, 1984, 80, 5155-5162.	3.0	1
34	A molecular dynamics study of the equilibrium relaxation for inhomogeneous systems. Molecular Physics, 1983, 50, 1163-1171.	1.7	4
35	Computer studies of Brownian motion in a Lennard€Jones fluid: The Stokes law. Journal of Chemical Physics, 1982, 76, 3260-3263.	3.0	26
36	Tjon effect for dense systems. A molecular-dynamics study. Physical Review A, 1982, 26, 2817-2825.	2.5	5