

Jose Gomez-Ordoñez

List of Publications by Year in descending order

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36
papers

531
citations

759233

12
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677142

22
g-index

36
all docs

36
docs citations

36
times ranked

256
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic resonance in a mean-field model of cooperative behavior. <i>Physical Review E</i> , 1995, 52, 316-320.	2.1	63
2	Two-State Theory of Nonlinear Stochastic Resonance. <i>Physical Review Letters</i> , 2003, 91, 210601.	7.8	59
3	Stochastic resonance: Theory and numerics. <i>Chaos</i> , 2005, 15, 026115.	2.5	46
4	Gain in stochastic resonance: Precise numerics versus linear response theory beyond the two-mode approximation. <i>Physical Review E</i> , 2003, 67, 036109.	2.1	45
5	Subthreshold stochastic resonance: Rectangular signals can cause anomalous large gains. <i>Physical Review E</i> , 2003, 68, 061104.	2.1	33
6	Stochastic resonance of collective variables in finite sets of interacting identical subsystems. <i>Physical Review E</i> , 2006, 73, 011109.	2.1	31
7	Theory of frequency and phase synchronization in a rocked bistable stochastic system. <i>Physical Review E</i> , 2005, 71, 011101.	2.1	27
8	Computer studies of Brownian motion in a Lennard-Jones fluid: The Stokes law. <i>Journal of Chemical Physics</i> , 1982, 76, 3260-3263.	3.0	26
9	Rocking bistable systems: Use and abuse of linear response theory. <i>Europhysics Letters</i> , 2002, 58, 342-348.	2.0	22
10	Phase shifts in driven stochastic nonlinear systems. <i>Physical Review Letters</i> , 1993, 71, 9-11.	7.8	18
11	Amplification and distortion of a periodic rectangular driving signal by a noisy bistable system. <i>Physical Review E</i> , 1995, 51, 999-1003.	2.1	17
12	CHECKING LINEAR RESPONSE THEORY IN DRIVEN BISTABLE SYSTEMS. <i>Fluctuation and Noise Letters</i> , 2002, 02, L127-L138.	1.5	12
13	Nonlinear stochastic resonance with subthreshold rectangular pulses. <i>Physical Review E</i> , 2004, 69, 067101.	2.1	12
14	Very large stochastic resonance gains in finite sets of interacting identical subsystems driven by subthreshold rectangular pulses. <i>Physical Review E</i> , 2007, 75, 062102.	2.1	11
15	Numerical analysis of the Smoluchowski equation using the split operator method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992, 183, 490-507.	2.6	10
16	Brownian dynamics simulation of the prehistory problem. <i>Physical Review E</i> , 1997, 55, 1521-1524.	2.1	10
17	Noise-induced forced synchronization of global variables in coupled bistable systems. <i>Europhysics Letters</i> , 2007, 79, 50002.	2.0	9
18	Diffusion in a 2D bond percolation model. A Monte Carlo simulation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1988, 127, 5-8.	2.1	7

#	ARTICLE	IF	CITATIONS
19	Role of fluctuations in the response of coupled bistable units to weak time-periodic driving forces. <i>Physical Review E</i> , 2008, 78, 021109.	2.1	7
20	Stochastic resonance in finite arrays of bistable elements with local coupling. <i>European Physical Journal B</i> , 2009, 69, 59-64.	1.5	7
21	Time-correlation function in a stochastic bistable model. <i>Physical Review A</i> , 1992, 46, 6738-6741.	2.5	6
22	Statistical mechanics of finite arrays of coupled bistable elements. <i>Europhysics Letters</i> , 2009, 88, 40006.	2.0	6
23	System size stochastic resonance in driven finite arrays of coupled bistable elements. <i>European Physical Journal B</i> , 2010, 74, 211-215.	1.5	6
24	Arrays of noisy bistable elements with nearest neighbor coupling: equilibrium and stochastic resonance. <i>European Physical Journal B</i> , 2011, 82, 179-187.	1.5	6
25	Tjon effect for dense systems. A molecular-dynamics study. <i>Physical Review A</i> , 1982, 26, 2817-2825.	2.5	5
26	Response of a stochastic bistable model driven by strong time-dependent fields. <i>Physical Review E</i> , 1994, 49, 4919-4924.	2.1	5
27	Prehistory problem for systems driven by white noise. <i>Physical Review E</i> , 1996, 54, 2125-2127.	2.1	5
28	Dispersion of the Prehistory Distribution: Analog Experiments and Numerical Results. <i>Physical Review Letters</i> , 1998, 80, 2273-2276.	7.8	5
29	A molecular dynamics study of the equilibrium relaxation for inhomogeneous systems. <i>Molecular Physics</i> , 1983, 50, 1163-1171.	1.7	4
30	Distribution of escape times for a deterministically driven bistable system. <i>Physical Review E</i> , 2000, 61, 261-266.	2.1	3
31	Two-state Markovian theory of input-output frequency and phase synchronization. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 351, 117-125.	2.6	3
32	Equilibrium and stochastic resonance in finite chains of noisy bistable elements. <i>Chemical Physics</i> , 2010, 375, 416-423.	1.9	3
33	A molecular dynamics study of the overpopulation phenomena in a two-region system. <i>Journal of Chemical Physics</i> , 1984, 80, 5155-5162.	3.0	1
34	Checking the Validity of Truncating the Cumulant Hierarchy Description of a Small System. <i>Advances in Dynamics, Patterns, Cognition</i> , 2014, , 377-387.	0.3	1
35	Simulation results for the velocity autocorrelation function in a bond percolation model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1989, 136, 26-29.	2.1	0
36	Behavior of a single element in a finite stochastic array. <i>Physical Review E</i> , 2012, 85, 051121.	2.1	0