

Luis Emilio Guerrero

List of Publications by Year in descending order

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40
papers

375
citations

840776

11
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839539

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40
all docs

40
docs citations

40
times ranked

145
citing authors

#	ARTICLE	IF	CITATIONS
1	Resonance Phenomena of a Solitonlike Extended Object in a Bistable Potential. <i>Physical Review Letters</i> , 1998, 80, 1361-1364.	7.8	46
2	Internal modes of sine-Gordon solitons in the presence of spatiotemporal perturbations. <i>Physical Review E</i> , 2002, 65, 065601.	2.1	37
3	Exact solutions to chaotic and stochastic systems. <i>Chaos</i> , 2001, 11, 1.	2.5	32
4	Topological defects with long-range interactions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998, 244, 277-284.	2.1	27
5	Self-excited soliton motion. <i>Physical Review E</i> , 1996, 54, 1265-1273.	2.1	23
6	A mechanism for randomness. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 295, 25-34.	2.1	20
7	Quasiperiodic and chaotic behavior due to competition between spatial and temporal modes in long Josephson junctions. <i>Physical Review A</i> , 1988, 37, 3641-3644.	2.5	14
8	Soliton tunneling with sub-barrier kinetic energies. <i>Physical Review E</i> , 1999, 60, R37-R40.	2.1	12
9	Spatiotemporal effects in long rf-biased Josephson junctions: Chaotic transitions and intermittencies between dynamical attractors. <i>Physical Review A</i> , 1989, 40, 3371-3380.	2.5	11
10	Chaos-induced true randomness. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 316, 259-288.	2.6	11
11	Kink-soliton explosions in generalized Klein-Gordon equations. <i>Chaos, Solitons and Fractals</i> , 2007, 33, 143-155.	5.1	11
12	Fate of the true-vacuum bubbles. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 033-033.	5.4	11
13	Long-range self-affine correlations in a random soliton gas. <i>Physical Review E</i> , 1997, 55, 7691-7695.	2.1	10
14	Long-range interacting solitons: pattern formation and nonextensive thermostatics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 257, 390-394.	2.6	10
15	From exactly solvable chaotic maps to stochastic dynamics. <i>Physica D: Nonlinear Phenomena</i> , 2003, 178, 26-50.	2.8	10
16	Turbulence in Josephson junctions. <i>Physical Review A</i> , 1990, 42, 4630-4633.	2.5	9
17	How to excite the internal modes of sine-Gordon solitons. <i>Chaos, Solitons and Fractals</i> , 2003, 17, 907-919.	5.1	9
18	Geometrical resonance in spatiotemporal systems. <i>Europhysics Letters</i> , 2003, 64, 743-749.	2.0	8

#	ARTICLE	IF	CITATIONS
19	Spatiotemporal chaos in sine-Gordon systems subjected to wave fields: Onset and suppression. <i>Physical Review E</i> , 2008, 77, 046212.	2.1	8
20	Multifractality, multifractal phase transitions, and symmetry-increasing bifurcations in ac-driven phase-slip centers. <i>Physical Review A</i> , 1991, 43, 669-680.	2.5	7
21	Quasiperiodic route to soft turbulence in long Josephson junctions. <i>Physica B: Condensed Matter</i> , 1990, 165-166, 1657-1658.	2.7	6
22	Pattern control and suppression of spatiotemporal chaos using geometrical resonance. <i>Chaos, Solitons and Fractals</i> , 2004, 22, 693-703.	5.1	6
23	Quasiperiodicity in Long RF-Biased Josephson Junctions. <i>Japanese Journal of Applied Physics</i> , 1987, 26, 1641.	1.5	5
24	Spatiotemporal Chaotic Dynamics of Solitons with Internal Structure in the Presence of Finite-Width Inhomogeneities. <i>Chaos, Solitons and Fractals</i> , 1999, 10, 1491-1512.	5.1	5
25	Arbitrarily large numbers of kink internal modes in inhomogeneous sine-Gordon equations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 1995-1998.	2.1	5
26	ANOMALOUS ROUGHENING IN A RANDOM SINE GORDON CHAIN. <i>Fractals</i> , 1995, 03, 533-539.	3.7	4
27	Controlling soliton explosions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 338, 60-65.	2.1	4
28	Stochastically-driven coherence in a sine-Gordon chain. <i>Physica B: Condensed Matter</i> , 1994, 194-196, 1631-1632.	2.7	3
29	Roughening transition in a thermal sine-Gordon system. <i>Physica B: Condensed Matter</i> , 1994, 194-196, 411-412.	2.7	2
30	Soliton structure dynamics in inhomogeneous media. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 260, 418-424.	2.6	2
31	NONINVERTIBLE TRANSFORMATIONS AND SPATIOTEMPORAL RANDOMNESS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006, 16, 3369-3381.	1.7	2
32	Internal degrees of freedom, long-range interactions and nonlocal effects in perturbed Klein-Gordon equations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 515-527.	2.6	2
33	Noise-Induced Organization in a sine-Gordon chain. <i>Chaos, Solitons and Fractals</i> , 1995, 6, 151-155.	5.1	1
34	Solitons and Instantons in Vacuum Stability: Physical Phenomena. <i>Brazilian Journal of Physics</i> , 2020, 50, 759-770.	1.4	1
35	Coupled Josephson Soliton Oscillators. <i>Springer Proceedings in Physics</i> , 1992, , 389-394.	0.2	1
36	Chaos beyond the onset in AC-driven phase slip centers. <i>Physica B: Condensed Matter</i> , 1990, 165-166, 1659-1660.	2.7	0

#	ARTICLE	IF	CITATIONS
37	Response to "Comment on "Exact solutions to chaotic and stochastic systems"" [Chaos 13, 123 (2003)]. Chaos, 2003, 13, 124-125.	2.5	0
38	Internal degrees of freedom in perturbed nonlinear Klein-Gordon equations. Differential Equations and Applications, 2011, , 527-553.	0.4	0
39	Onset of Turbulence in Long Josephson Junctions. Physica Scripta, 1991, T38, 45-48.	2.5	0
40	Soft and Hard Turbulence. , 1991, , 391-401.		0