

Jean-Guy Caputo

List of Publications by Year in descending order

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687363

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g-index

48
all docs

48
docs citations

48
times ranked

415
citing authors

#	ARTICLE	IF	CITATIONS
19	Nonlinear waves in networks: Model reduction for the sine-Gordon equation. <i>Physical Review E</i> , 2014, 90, 022912.	2.1	28
20	Radial sine-Gordon kinks as sources of fast breathers. <i>Physical Review E</i> , 2013, 88, 022915.	2.1	12
21	Screening magnetic fields by superconductors: A simple model. <i>Journal of Applied Physics</i> , 2013, 114, 233913.	2.5	6
22	Oscillations of networks: the role of soft nodes. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 035101.	2.1	12
23	Fast control of the reflection of a ferroelectric by means of an extremely short pulse. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 025203.	2.2	0
24	Electrodynamics of a split-ring Josephson resonator in a microwave line. <i>Physical Review B</i> , 2012, 85, .	3.2	16
25	Inhomogeneous parallel arrays of Josephson junctions. <i>Physica C: Superconductivity and Its Applications</i> , 2011, 471, 344-356.	1.2	0
26	High-order harmonic generation by double-photoionization accounting for the correlation between continuum electrons. <i>Optik</i> , 2011, 122, 247-255.	2.9	2
27	Reaction-diffusion front crossing a local defect. <i>Physical Review E</i> , 2011, 84, 041108.	2.1	6
28	Fast electromagnetic response of a thin film of resonant atoms with permanent dipole. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 015206.	2.1	1
29	High-frequency polarization switching of a thin ferroelectric film. <i>Physical Review B</i> , 2010, 82, .	3.2	7
30	Cavity with an embedded polarized film: an adapted spectral approach. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 165204.	2.1	1
31	Front Solutions of Richards's™ Equation. <i>Transport in Porous Media</i> , 2008, 74, 1-20.	2.6	18
32	Electromagnetically induced switching of ferroelectric thin films. <i>Physical Review B</i> , 2007, 75, .	3.2	16
33	Interference filter properties of nonuniform Josephson junction arrays. <i>Journal of Applied Physics</i> , 2007, 102, .	2.5	6
34	Vortex Polarity Switching by a Spin-Polarized Current. <i>Physical Review Letters</i> , 2007, 98, 056604.	7.8	77
35	Dynamics of point Josephson junctions in a microstrip line. <i>Physica C: Superconductivity and Its Applications</i> , 2005, 425, 69-89.	1.2	11
36	Stimulated Raman scattering with strong damping: A simple theory of the spike phenomenon. <i>Physical Review E</i> , 2005, 71, 036601.	2.1	1

#	ARTICLE	IF	CITATIONS
37	Two point Josephson junctions in a superconducting stripline: static case. Physica C: Superconductivity and Its Applications, 2004, 402, 160-173.	1.2	5
38	Propagation of extremely short pulses in nonresonant media: the total Maxwell-Duffing model. Physica D: Nonlinear Phenomena, 2004, 189, 107-114.	2.8	5
39	Importance of the Internal Shape Mode in Magnetic Vortex Dynamics. Physical Review Letters, 2004, 93, 167201.	7.8	13
40	Extremely short electromagnetic pulses in a resonant medium with a permanent dipole moment. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2003, 94, 245-250.	0.6	37
41	Unidirectional propagation of an ultra-short electromagnetic pulse in a resonant medium with high frequency Stark shift. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 296, 34-42.	2.1	35
42	Nonlinear energy transmission in the gap. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 283, 129-135.	2.1	27
43	Raman solitons in transient SRS. Inverse Problems, 2000, 16, 303-314.	2.0	13
44	Stability analysis of static solutions in a Josephson junction. Superconductor Science and Technology, 2000, 13, 423-438.	3.5	17
45	Effective sine-Gordon model for the static properties of narrow window junctions. Journal of Applied Physics, 1999, 85, 7291-7301.	2.5	11
46	Two-dimensional effects in Josephson junctions: Static properties. Physical Review E, 1996, 54, 2092-2101.	2.1	18
47	EFFECT OF GEOMETRY ON FLUXON WIDTH IN A JOSEPHSON JUNCTION. International Journal of Modern Physics C, 1996, 07, 191-216.	1.7	20
48	A SEMI-LINEAR ELLIPTIC PDE MODEL FOR THE STATIC SOLUTION OF JOSEPHSON JUNCTIONS. International Journal of Modern Physics C, 1995, 06, 241-262.	1.7	18