

Lars English

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8963373/publications.pdf>

Version: 2024-02-01

28
papers

773
citations

687363

13
h-index

526287

27
g-index

29
all docs

29
docs citations

29
times ranked

380
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Experimental Generation and Observation of Intrinsic Localized Spin Wave Modes in an Antiferromagnet. <i>Physical Review Letters</i> , 1999, 83, 223-226. | 7.8 | 240 |
| 2 | Discrete Breathers in a Forced-Damped Array of Coupled Pendula: Modeling, Computation, and Experiment. <i>Physical Review Letters</i> , 2009, 102, 224101. | 7.8 | 77 |
| 3 | Experimental generation of intrinsic localized modes in a discrete electrical transmission line. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 5394-5398. | 2.8 | 47 |
| 4 | Generation of Localized Modes in an Electrical Lattice Using Subharmonic Driving. <i>Physical Review Letters</i> , 2012, 108, 084101. | 7.8 | 42 |
| 5 | Nonlinear localized modes in two-dimensional electrical lattices. <i>Physical Review E</i> , 2013, 88, 022912. | 2.1 | 41 |
| 6 | Patterns of traveling intrinsic localized modes in a driven electrical lattice. <i>Physical Review E</i> , 2008, 77, 066601. | 2.1 | 39 |
| 7 | Traveling and stationary intrinsic localized modes and their spatial control in electrical lattices. <i>Physical Review E</i> , 2010, 81, 046605. | 2.1 | 39 |
| 8 | Discrete breathers in a nonlinear electric line: Modeling, computation, and experiment. <i>Physical Review E</i> , 2011, 84, 026605. | 2.1 | 36 |
| 9 | Synchronization in phase-coupled Kuramoto oscillator networks with axonal delay and synaptic plasticity. <i>Physical Review E</i> , 2014, 89, 032906. | 2.1 | 35 |
| 10 | Nanoscale intrinsic localized modes in an antiferromagnetic lattice. <i>Journal of Applied Physics</i> , 2001, 89, 6707-6709. | 2.5 | 29 |
| 11 | Influence of sample shape on the production of intrinsic localized modes in an antiferromagnetic lattice. <i>Journal of Applied Physics</i> , 2002, 91, 8676. | 2.5 | 25 |
| 12 | Experimental and numerical observation of dark and bright breathers in the band gap of a diatomic electrical lattice. <i>Physical Review E</i> , 2019, 99, 032206. | 2.1 | 21 |
| 13 | Trajectories of rolling marbles on various funnels. <i>American Journal of Physics</i> , 2012, 80, 996-1000. | 0.7 | 16 |
| 14 | Experimental study of synchronization of coupled electrical self-oscillators and comparison to the Sakaguchi-Kuramoto model. <i>Physical Review E</i> , 2015, 92, 052912. | 2.1 | 14 |
| 15 | Multifrequency and edge breathers in the discrete sine-Gordon system via subharmonic driving: Theory, computation and experiment. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 402-407. | 2.1 | 12 |
| 16 | Resonant localized modes in electrical lattices with second-neighbor coupling. <i>Physical Review E</i> , 2018, 98, . | 2.1 | 10 |
| 17 | Continued fractions and the harmonic oscillator using Feynman's path integrals. <i>American Journal of Physics</i> , 1997, 65, 390-393. | 0.7 | 8 |
| 18 | Linear impurity modes in an electrical lattice: Theory and experiment. <i>Physical Review E</i> , 2019, 100, 062114. | 2.1 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Coupled metronomes on a moving platform with Coulomb friction. <i>Chaos</i> , 2022, 32, 043119. | 2.5 | 6 |
| 20 | Analysis and observation of moving domain fronts in a ring of coupled electronic self-oscillators. <i>Chaos</i> , 2017, 27, 103125. | 2.5 | 5 |
| 21 | Induced localized nonlinear modes in an electrical lattice. <i>Physica Scripta</i> , 2019, 94, 065210. | 2.5 | 5 |
| 22 | Emergence and analysis of Kuramoto-Sakaguchi-like models as an effective description for the dynamics of coupled Wien-bridge oscillators. <i>Physical Review E</i> , 2016, 94, 062212. | 2.1 | 4 |
| 23 | Symmetry breaking in symmetrically coupled logistic maps. <i>European Journal of Physics</i> , 2019, 40, 024003. | 0.6 | 4 |
| 24 | Flip and Neimark-Sacker Bifurcations in a Coupled Logistic Map System. <i>Discrete Dynamics in Nature and Society</i> , 2020, 2020, 1-14. | 0.9 | 4 |
| 25 | Backward- and forward-wave soliton coexistence due to second-neighbor coupling in a left-handed transmission line. <i>Nonlinear Dynamics</i> , 2022, 108, 4103-4114. | 5.2 | 4 |
| 26 | An experimental survey of chaos and symmetry breaking in coupled and driven logistic maps. <i>European Journal of Physics</i> , 2019, 40, 065802. | 0.6 | 1 |
| 27 | Optimizing Regenerative Braking: A Variational Calculus Approach. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-8. | 1.1 | 1 |
| 28 | On the "Emptiness" of Particles in Condensed-matter Physics. <i>Foundations of Science</i> , 2007, 12, 155-171. | 0.7 | 0 |