

Marcelo L Lyra

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6670196/publications.pdf>

Version: 2024-02-01

292
papers

4,966
citations

147801

31
h-index

138484

58
g-index

293
all docs

293
docs citations

293
times ranked

2282
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Delocalization in the 1D Anderson Model with Long-Range Correlated Disorder. Physical Review Letters, 1998, 81, 3735-3738. | 7.8 | 408 |
| 2 | Nonextensivity and Multifractality in Low-Dimensional Dissipative Systems. Physical Review Letters, 1998, 80, 53-56. | 7.8 | 390 |
| 3 | Optimizing the Encounter Rate in Biological Interactions: Lévy versus Brownian Strategies. Physical Review Letters, 2002, 88, 097901. | 7.8 | 281 |
| 4 | Power-law sensitivity to initial conditions within a logisticlike family of maps: Fractality and nonextensivity. Physical Review E, 1997, 56, 245-250. | 2.1 | 135 |
| 5 | Lévy flight random searches in biological phenomena. Physica A: Statistical Mechanics and Its Applications, 2002, 314, 208-213. | 2.6 | 94 |
| 6 | Bloch-Like Oscillations in a One-Dimensional Lattice with Long-Range Correlated Disorder. Physical Review Letters, 2003, 91, 197402. | 7.8 | 92 |
| 7 | DNA-based nanobiostructured devices: The role of quasiperiodicity and correlation effects. Physics Reports, 2014, 535, 139-209. | 25.6 | 88 |
| 8 | Correlation-induced metal-insulator transition in the one-dimensional Anderson model. Physica A: Statistical Mechanics and Its Applications, 1999, 266, 465-470. | 2.6 | 84 |
| 9 | Periodic solutions and chaos in a non-linear model for the delayed cellular immune response. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 234-241. | 2.6 | 78 |
| 10 | Convergence to the critical attractor of dissipative maps: Log-periodic oscillations, fractality, and nonextensivity. Physical Review E, 2000, 62, 6361-6365. | 2.1 | 76 |
| 11 | Nucleotide correlations and electronic transport of DNA sequences. Physical Review E, 2005, 71, 021910. | 2.1 | 73 |
| 12 | Magnetocaloric effect in kinetically frustrated diamond chains. Physical Review B, 2009, 79, . | 3.2 | 70 |
| 13 | Delocalization in harmonic chains with long-range correlated random masses. Physical Review B, 2003, 68, . | 3.2 | 68 |
| 14 | Frequency doubling of Bloch oscillations for interacting electrons in a static electric field. Physical Review B, 2007, 76, . | 3.2 | 61 |
| 15 | Delocalization and spin-wave dynamics in ferromagnetic chains with long-range correlated random exchange. Physical Review B, 2002, 66, . | 3.2 | 53 |
| 16 | Saturation effects on modulational instability in non-Kerr-like monomode optical fibers. Optics Communications, 1994, 108, 117-120. | 2.1 | 50 |
| 17 | Localization properties of a one-dimensional tight-binding model with nonrandom long-range intersite interactions. Physical Review B, 2005, 71, . | 3.2 | 48 |
| 18 | Critical behavior of a one-dimensional diffusive epidemic process. Physical Review E, 2001, 63, 066118. | 2.1 | 47 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Delocalization and ballistic dynamics in the two-dimensional Anderson model with long-range correlated disorder. <i>Europhysics Letters</i> , 2004, 66, 585-591. | 2.0 | 47 |
| 20 | Study of the optical and magnetic properties of pyrimidine in water combining PCM and QM/MM methodologies. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14023. | 2.8 | 47 |
| 21 | Magnetization plateau in diamond chains with delocalized interstitial spins. <i>Physical Review B</i> , 2008, 77, . | 3.2 | 45 |
| 22 | Realization of All-Optical Logic Gates in a Triangular Triple-Core Photonic Crystal Fiber. <i>Journal of Lightwave Technology</i> , 2013, 31, 731-739. | 4.6 | 41 |
| 23 | de Moura and Lyra Reply:. <i>Physical Review Letters</i> , 2000, 84, 199-199. | 7.8 | 40 |
| 24 | Modulational instability in lossless fibers with saturable delayed nonlinear response. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 183. | 2.1 | 38 |
| 25 | Free-electron gas in the Apollonian network: Multifractal energy spectrum and its thermodynamic fingerprints. <i>Physical Review E</i> , 2009, 79, 016104. | 2.1 | 37 |
| 26 | Circular-like maps: sensitivity to the initial conditions, multifractality and nonextensivity. <i>European Physical Journal B</i> , 1999, 11, 309-315. | 1.5 | 36 |
| 27 | Magnetization process, bipartite entanglement, and enhanced magnetocaloric effect of the exactly solved spin-1/2 Ising-Heisenberg tetrahedral chain. <i>Physical Review E</i> , 2014, 89, 022143. | 2.1 | 34 |
| 28 | Spin frustration of a spin-1/2 Ising-Heisenberg three-leg tube as an indispensable ground for thermal entanglement. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 409, 124-133. | 2.3 | 33 |
| 29 | Delocalization and wave-packet dynamics in one-dimensional diluted Anderson models. <i>European Physical Journal B</i> , 2003, 36, 81-86. | 1.5 | 32 |
| 30 | The origin of fat-tailed distributions in financial time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 329, 273-280. | 2.6 | 32 |
| 31 | Generalized Zipf's law in proportional voting processes. <i>Europhysics Letters</i> , 2003, 62, 131-137. | 2.0 | 32 |
| 32 | Wave-Packet Dynamics in Chains with Delayed Electronic Nonlinear Response. <i>Physical Review Letters</i> , 2009, 103, 096401. | 7.8 | 32 |
| 33 | Phase coexistence induced by a defensive reaction in a cellular automaton traffic flow model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 3558-3565. | 2.6 | 30 |
| 34 | Critical behavior of the two-dimensional Anderson model with long-range correlated disorder. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 476213. | 1.8 | 29 |
| 35 | Stochastic resonance of a periodically driven neuron under non-Gaussian noise. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 1446-1454. | 2.6 | 28 |
| 36 | Circular-like maps: sensitivity to the initial conditions, multifractality and nonextensivity. <i>European Physical Journal B</i> , 1999, 11, 309. | 1.5 | 28 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Disorder-assisted distribution of entanglement in X and Y spin chains. Physical Review A, 2017, 96, . | 2.7 | 27 |
| 38 | Asymmetric unimodal maps at the edge of chaos. Physical Review E, 2002, 65, 036207. | 2.1 | 26 |
| 39 | Vibrational modes in harmonic chains with diluted disorder. Physica A: Statistical Mechanics and Its Applications, 2005, 357, 165-172. | 2.6 | 26 |
| 40 | Bose-Einstein condensation in the Apollonian complex network. Physical Review E, 2010, 81, 030104. | 2.1 | 26 |
| 41 | Comparison of polarizable continuum model and quantum mechanics/molecular mechanics solute electronic polarization: Study of the optical and magnetic properties of diazines in water. Journal of Chemical Physics, 2011, 135, 144103. | 3.0 | 26 |
| 42 | Generation of logic gates based on a photonic crystal fiber Michelson interferometer. Optics Communications, 2014, 322, 143-149. | 2.1 | 25 |
| 43 | Spin frustration and fermionic entanglement in an exactly solved hybrid diamond chain with localized Ising spins and mobile electrons. Physical Review B, 2016, 93, . | 3.2 | 24 |
| 44 | Tunable reflectance spectra of multilayered cholesteric photonic structures with anisotropic defect layers. Physical Review E, 2010, 81, 031713. | 2.1 | 23 |
| 45 | Radiative properties of a two-level system in the presence of mirrors. Physical Review A, 1994, 49, 1378-1386. | 2.5 | 22 |
| 46 | Homeotropic surface anchoring and the layer-thinning transition in free-standing films. Physical Review E, 2008, 77, 011704. | 2.1 | 22 |
| 47 | Phase diagrams for random-bond D-vector models. Physica A: Statistical Mechanics and Its Applications, 1989, 155, 232-253. | 2.6 | 21 |
| 48 | Finite-size scaling of power-law bond-disordered Anderson models. Physical Review B, 2004, 69, . | 3.2 | 21 |
| 49 | Reentrant phase transitions of a coupled spin-electron model on doubly decorated planar lattices with two or three consecutive critical points. Journal of Magnetism and Magnetic Materials, 2016, 401, 1106-1122. | 2.3 | 21 |
| 50 | Kosterlitz-Thouless and Gaussian criticalities in a mixed spin- $\frac{1}{2}$ Ising-XYZ distorted diamond chain with the second-neighbor interaction between nodal Ising spins. Physica A: Statistical Mechanics and Its Applications, 2017, 486, 367-377. | 3.2 | 21 |
| 51 | Interplay of XPM and nonlinear response time in the modulational instability of copropagating optical pulses. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 1878. | 2.1 | 20 |
| 52 | Modulation instability in noninstantaneous Kerr media with walk-off and cross-phase modulation for mixed group-velocity-dispersion regimes. Physical Review A, 2016, 93, . | 2.5 | 20 |
| 53 | Thermal entanglement in a spin- $\frac{1}{2}$ Ising-XYZ distorted diamond chain with the second-neighbor interaction between nodal Ising spins. Physica A: Statistical Mechanics and Its Applications, 2017, 486, 367-377. | 2.6 | 20 |
| 54 | Quantum-state transfer through long-range correlated disordered channels. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1335-1340. | 2.1 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Low-dimensional non-linear dynamical systems and generalized entropy. Brazilian Journal of Physics, 1999, 29, 144-152. | 1.4 | 19 |
| 56 | Bloch oscillations in an aperiodic one-dimensional potential. Physical Review B, 2005, 71, . | 3.2 | 19 |
| 57 | Electronic transport in DNA sequences: The role of correlations and inter-strand coupling. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 625-631. | 2.6 | 19 |
| 58 | A molecular dynamics study of ferroelectric nanoparticles immersed in a nematic liquid crystal. European Physical Journal E, 2010, 31, 81-87. | 1.6 | 19 |
| 59 | Nonreciprocal transmission through a saturable nonlinear asymmetric dimer. Physical Review E, 2014, 90, 022901. | 2.1 | 19 |
| 60 | Dual landscapes in Anderson localization on discrete lattices. Europhysics Letters, 2015, 109, 47001. | 2.0 | 19 |
| 61 | Sensitivity to initial conditions of the wave-packet dynamics in diluted Anderson chains. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 355, 468-472. | 2.1 | 18 |
| 62 | Reflection chromaticity of multilayered structures incorporating cholesteric liquid crystals. Journal of Applied Physics, 2008, 104, 103511. | 2.5 | 18 |
| 63 | The role of Hubbard-like interaction in the dynamics of two interacting electrons. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 4554-4558. | 2.1 | 18 |
| 64 | Stationary, dynamical, and spectral electronic properties of a correlated random ladder model with coexisting extended and localized states. Physical Review B, 2010, 81, . | 3.2 | 18 |
| 65 | The quantum biophysics of the isoniazid adduct NADH binding to its InhA reductase target. New Journal of Chemistry, 2014, 38, 2946. | 2.8 | 18 |
| 66 | Largest and second largest cluster statistics at the percolation threshold of hypercubic lattices. Physical Review E, 2002, 66, 056107. | 2.1 | 17 |
| 67 | Specific heat anomalies of non-interacting fermions with multifractal energy spectra. Physica A: Statistical Mechanics and Its Applications, 2004, 343, 424-432. | 2.6 | 17 |
| 68 | Scaling laws for the transmission of random binary dielectric multilayered structures. Physical Review B, 2007, 76, . | 3.2 | 17 |
| 69 | Dynamics of two interacting electrons in Anderson-Hubbard chains with long-range correlated disorder: Effect of a static electric field. Physical Review B, 2010, 81, . | 3.2 | 17 |
| 70 | Wave packet dynamics under superposed DC and AC fields: Super Bloch oscillations, resonant directed motion and delocalization. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2770-2774. | 2.1 | 17 |
| 71 | Magnon delocalization in ferromagnetic chains with long-range correlated disorder. Physical Review B, 2002, 65, . | 3.2 | 16 |
| 72 | Resonant scattering states in 2D nanostructured waveguides: a boundary wall approach. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 025402. | 1.5 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Coherent electronic dynamics and absorption spectra in an one-dimensional model with long-range correlated off-diagonal disorder. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 1048-1052. | 2.1 | 16 |
| 74 | Band-filling driven crossover from ferro to antiferromagnetic order in Ising lattices decorated by quantum dimers. Journal of Magnetism and Magnetic Materials, 2014, 368, 98-104. | 2.3 | 16 |
| 75 | Hubbard model: Field theory and critical phenomena. Physical Review B, 1993, 48, 3755-3769. | 3.2 | 15 |
| 76 | Effects of surface enhancement on fluctuation-induced interactions. Physical Review E, 1993, 47, 3456-3462. | 2.1 | 15 |
| 77 | The nature of electronic states in a disordered chain with long-ranged hopping amplitudes. Physica A: Statistical Mechanics and Its Applications, 1998, 256, 18-29. | 2.6 | 15 |
| 78 | Monte Carlo study of the critical behavior of a diffusive epidemic process. Physica A: Statistical Mechanics and Its Applications, 2001, 295, 49-52. | 2.6 | 15 |
| 79 | Critical behavior of a vector-mediated propagation of an epidemic process. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 249-255. | 2.6 | 15 |
| 80 | A Markov model of financial returns. Physica A: Statistical Mechanics and Its Applications, 2006, 363, 393-403. | 2.6 | 15 |
| 81 | Coherent electron dynamics in a two-dimensional random system with mobility edges. Journal of Physics Condensed Matter, 2007, 19, 056204. | 1.8 | 15 |
| 82 | Bose-Einstein condensation in diamond hierarchical lattices. Physical Review E, 2014, 89, 052133. | 2.1 | 15 |
| 83 | Exact and density matrix renormalization group studies of two mixed spin- $\frac{1}{2}$ branched-chain models developed for a heterotrimetallic Fe-Mn-Cu coordination polymer. Physical Review B, 2020, 102, . | 3.2 | 15 |
| 84 | Intralayer correlation enhancement and interlayer coherence loss in CuO ₂ bilayers. Physical Review B, 1993, 47, 526-529. | 3.2 | 14 |
| 85 | Criticality of a contact process with coupled diffusive and nondiffusive fields. Physical Review E, 2007, 75, 031112. | 2.1 | 14 |
| 86 | Electronic transport in poly(CG) and poly(CT) DNA segments with diluted base pairing. Journal of Physics Condensed Matter, 2008, 20, 075109. | 1.8 | 14 |
| 87 | Effects of nonlinearity on wave-packet dynamics in square and honeycomb lattices. Physical Review B, 2010, 82, . | 3.2 | 14 |
| 88 | The universality class of random searches in critically scarce environments. Europhysics Letters, 2012, 97, 50005. | 2.0 | 14 |
| 89 | Switching and enhanced bistability in an asymmetric nonlinear directional coupler with a metamaterial channel. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 1258-1268. | 3.3 | 14 |
| 90 | Modulation instability of ultrashort pulses via a generalized nonlinear Schrödinger equation with deviating argument. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 211, 276-280. | 2.1 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Surface effects on the amplitude of fluctuation-induced interactions in smectic films. <i>Physical Review E</i> , 2002, 65, 051711. | 2.1 | 13 |
| 92 | Bias driven coherent carrier dynamics in a two-dimensional aperiodic potential. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 6694-6700. | 2.1 | 13 |
| 93 | Finite-size scaling and disorder effect on the transmissivity of multilayered structures with metamaterials. <i>Optics Express</i> , 2008, 16, 6860. | 3.4 | 13 |
| 94 | Suppressed transmission in aperiodically modulated multilayered dielectric structures. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2009, 7, 101-107. | 2.0 | 13 |
| 95 | Electron self-trapping and self-focusing in periodic chains with a finite nonlinear response time. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 4152-4155. | 2.1 | 13 |
| 96 | Ghost resonance in the chaotic Chua's circuit. <i>Physical Review E</i> , 2012, 85, 056201. | 2.1 | 13 |
| 97 | Self-trapping of interacting electrons in crystalline nonlinear chains. <i>European Physical Journal B</i> , 2012, 85, 1. | 1.5 | 13 |
| 98 | Interplay between spin frustration and thermal entanglement in the exactly solved Ising-Heisenberg tetrahedral chain. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 920-926. | 2.1 | 13 |
| 99 | Defect structures in nematic liquid crystal shells of different shapes. <i>Liquid Crystals Reviews</i> , 2016, 4, 35-58. | 4.1 | 13 |
| 100 | Heterobimetallic Dy-Cu coordination compound as a classical-quantum ferrimagnetic chain of regularly alternating Ising and Heisenberg spins. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 460, 368-380. | 2.3 | 13 |
| 101 | Electronic transport on graphene armchair-edge nanoribbons with Fermi velocity and potential barriers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2416-2423. | 2.1 | 13 |
| 102 | Universality and quasicritical exponents of one-dimensional models displaying a quasitransition at finite temperatures. <i>Physical Review E</i> , 2019, 99, 042117. | 2.1 | 13 |
| 103 | Magnetization processes and quantum entanglement in a spin-1/2 Ising-Heisenberg chain model of a heterotrimetallic Fe-Mn-Cu coordination polymer. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 471, 423-431. | 2.3 | 13 |
| 104 | DAMAGE SPREADING IN THE BAK-SNEPPEN MODEL: SENSITIVITY TO THE INITIAL CONDITIONS AND EQUILIBRATION DYNAMICS. <i>International Journal of Modern Physics C</i> , 2003, 14, 805-814. | 1.7 | 12 |
| 105 | Field-Induced Layer Thinning Transition on Free-Standing Smectic Films. <i>Physical Review Letters</i> , 2009, 103, 177801. | 7.8 | 12 |
| 106 | Optical cryptography under PPM-PAM modulation based in short optical pulses in an acoustic-optic tunable filter (AOTF). <i>Optical and Quantum Electronics</i> , 2009, 41, 963-980. | 3.3 | 12 |
| 107 | Correlation and complexity analysis of well logs via Lyapunov, Hurst, Lempel-Ziv and neural network algorithms. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 747-754. | 2.6 | 12 |
| 108 | Geometrical and Anderson transitions in harmonic chains with constrained long-range couplings. <i>Physical Review E</i> , 2011, 84, 041110. | 2.1 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Bose-Einstein condensation in the infinitely ramified star and wheel graphs. <i>Physical Review E</i> , 2011, 83, 061137. | 2.1 | 12 |
| 110 | Analysis of the nonlinear optical switching in a Sagnac interferometer with non-instantaneous Kerr effect. <i>Optics Communications</i> , 2012, 285, 1408-1417. | 2.1 | 12 |
| 111 | Crossover from strong to weak exciton confinement and third-harmonic generation on one-dimensional quantum dots. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2013, 11, 8-14. | 2.0 | 12 |
| 112 | Non monotonic influence of Hubbard interaction on the Anderson localization of two-electron wavepackets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 411, 35-41. | 2.6 | 12 |
| 113 | Ground states, magnetization plateaus and bipartite entanglement of frustrated spin-1/2 Ising-Heisenberg and Heisenberg triangular tubes. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 417, 294-301. | 2.3 | 12 |
| 114 | Emergent nonlinear phenomena in discrete-time quantum walks. <i>Physical Review A</i> , 2020, 101, . | 2.5 | 12 |
| 115 | Magnetically induced hole-hole correlations in CuO ₂ sheets. <i>Physical Review B</i> , 1992, 45, 8021-8025. | 3.2 | 11 |
| 116 | Critical behavior of the S=1/2 Heisenberg ferromagnet: A Handscomb quantum Monte Carlo study. <i>Physical Review B</i> , 2000, 62, 8909-8914. | 3.2 | 11 |
| 117 | Critical wave-packet dynamics in the power-law bond disordered Anderson model. <i>Physical Review B</i> , 2005, 71, . | 3.2 | 11 |
| 118 | Universality classes of the absorbing state transition in a system with interacting static and diffusive populations. <i>Physical Review E</i> , 2009, 80, 061127. | 2.1 | 11 |
| 119 | Anderson localization in a disordered chain with a finite nonlinear response time. <i>European Physical Journal B</i> , 2011, 80, 321-324. | 1.5 | 11 |
| 120 | Electron wave packet dynamics in twisted nonlinear ladders with correlated disorder. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 535-540. | 2.6 | 11 |
| 121 | Study of the Performance of an All-Optical Half-Adder Based on Three-Core Non-Linear Directional Fiber Coupler Under Delayed and Instantaneous Non-Linear Kerr Responses. <i>Fiber and Integrated Optics</i> , 2011, 30, 201-230. | 2.5 | 11 |
| 122 | NUMERICAL ANALYSIS OF THE INSTANTANEOUS AND RELAXED KERR MODEL FOR GENERATION OF THE ALL-OPTICAL LOGIC GATES WITH TRIANGULAR FIBER COUPLER (TFC). <i>Journal of Nonlinear Optical Physics and Materials</i> , 2012, 21, 1250037. | 1.8 | 11 |
| 123 | Phase diagrams and anomalous thermodynamic behavior of a correlated spin-1/2 electron system on doubly decorated planar lattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 2915-2921. | 2.1 | 11 |
| 124 | Thermodynamic behavior and enhanced magnetocaloric effect in a frustrated spin-1/2 Ising-Heisenberg triangular tube. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 451, 218-225. | 2.3 | 11 |
| 125 | Breakdown of intermediate one-half magnetization plateau of spin-1/2 Ising-Heisenberg and Heisenberg branched chains at triple and Kosterlitz-Thouless critical points. <i>Physical Review E</i> , 2019, 100, 042127. | 2.1 | 11 |
| 126 | Localization-delocalization transition in discrete-time quantum walks with long-range correlated disorder. <i>Physical Review E</i> , 2019, 99, 022117. | 2.1 | 11 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Temperature-dependent "frustration": A thermodynamic rather than a topological effect. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992, 182, 133-144. | 2.6 | 10 |
| 128 | Reweighting histograms in quantum Monte Carlo studies of the Heisenberg model. <i>Physical Review B</i> , 2002, 65, . | 3.2 | 10 |
| 129 | Field-driven crossover from attractive-to-repulsive Casimir-like force in smectic films. <i>Physical Review E</i> , 2004, 70, 050702. | 2.1 | 10 |
| 130 | Critical bifurcations and chaos in a delayed nonlinear model for the immune response. <i>Chaos, Solitons and Fractals</i> , 2009, 42, 2494-2501. | 5.1 | 10 |
| 131 | Ghost stochastic resonance induced by a power-law distributed noise in the FitzHugh-Nagumo neuron model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 22, 641-649. | 3.3 | 10 |
| 132 | Phase diagram and re-entrant fermionic entanglement in a hybrid Ising-Hubbard ladder. <i>Physical Review E</i> , 2018, 97, 052115. | 2.1 | 10 |
| 133 | Multifractality of one electron eigen states in 1D disordered long range models. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 295, 154-157. | 2.6 | 9 |
| 134 | Critical dynamics of anisotropic Bak-Sneppen model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 342, 151-157. | 2.6 | 9 |
| 135 | Multifractal detrended fluctuation analysis of analog random multiplicative processes. <i>Chaos, Solitons and Fractals</i> , 2009, 41, 2806-2811. | 5.1 | 9 |
| 136 | Critical behavior of the ideal-gas Bose-Einstein condensation in the Apollonian network. <i>Physical Review E</i> , 2013, 88, 022139. | 2.1 | 9 |
| 137 | Electronic transport in methylated fragments of DNA. <i>Applied Physics Letters</i> , 2015, 107, 203701. | 3.3 | 9 |
| 138 | Switching of transmission resonances in a two-channels coupler: A Boundary Wall Method scattering study. <i>Annals of Physics</i> , 2016, 373, 707-716. | 2.8 | 9 |
| 139 | Localization properties and high-fidelity state transfer in hopping models with correlated disorder. <i>Annals of Physics</i> , 2018, 398, 180-189. | 2.8 | 9 |
| 140 | Damage spreading in the Potts model with cluster dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 282, 176-182. | 2.6 | 8 |
| 141 | Quantum percolation in power-law diluted chains. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 297, 157-163. | 2.6 | 8 |
| 142 | Suppression of Bose-Einstein condensation in one-dimensional scale-free random potentials. <i>Physical Review B</i> , 2010, 82, . | 3.2 | 8 |
| 143 | Localization on a two-channel model with cross-correlated disorder. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 175304. | 1.8 | 8 |
| 144 | Robust entanglement transfer through a disordered qubit ladder. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 125847. | 2.1 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Enhanced nonreciprocal transmission through a saturable cubic-quintic nonlinear dimer defect. <i>Scientific Reports</i> , 2019, 9, 1871. | 3.3 | 8 |
| 146 | Fluctuation-induced first-order transition in the Hubbard model. <i>Solid State Communications</i> , 1990, 74, 1175-1179. | 1.9 | 7 |
| 147 | Phase diagrams of magnetically disordered bilayers. <i>Physical Review B</i> , 1992, 46, 3420-3426. | 3.2 | 7 |
| 148 | Universal surface-scaling behavior of hexatic films. <i>Physical Review B</i> , 1993, 47, 2501-2506. | 3.2 | 7 |
| 149 | Scaling behavior of diffusion limited annihilation reactions on random media. <i>Journal of Chemical Physics</i> , 1996, 105, 5945-5948. | 3.0 | 7 |
| 150 | Scaling behavior of the localization length in random dimer harmonic chains with thermal correlations. <i>Physical Review B</i> , 1996, 53, 5067-5069. | 3.2 | 7 |
| 151 | Damage-spreading scaling and temporal evolution near the surface-bulk transition of Ising layered films. <i>Journal of Magnetism and Magnetic Materials</i> , 1997, 171, 329-335. | 2.3 | 7 |
| 152 | CRITICAL BEHAVIOR OF AN EPIDEMIC MODEL OF DRUG RESISTANT DISEASES. <i>International Journal of Modern Physics C</i> , 2004, 15, 1279-1290. | 1.7 | 7 |
| 153 | Damage spreading in the Bak-Sneppen and ballistic deposition models: critical dynamics and nonextensivity. <i>Physica D: Nonlinear Phenomena</i> , 2004, 193, 329-337. | 2.8 | 7 |
| 154 | Critical properties of the diffusive epidemic process obtained via an automatic search technique. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P04027. | 2.3 | 7 |
| 155 | Resonant states and wavepacket super-diffusion in intra-chain correlated ladders with diluted disorder. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 135303. | 1.8 | 7 |
| 156 | Critical properties of a superdiffusive epidemic process. <i>Physical Review E</i> , 2013, 87, 062108. | 2.1 | 7 |
| 157 | Tunable topological valence in nematic shells on spherocylindrical colloidal particles. <i>Physical Review E</i> , 2016, 93, 012703. | 2.1 | 7 |
| 158 | Nonpolar and polar fluid flow through flat nanochannels with amorphous and crystalline walls. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 1318-1323. | 2.1 | 7 |
| 159 | Magnetic behavior of a ferromagnetic ternary alloy $A_xB_{1-x}C$ with a selective site disorder: Case study of a mixed-spin Ising model on a honeycomb lattice. <i>Physical Review E</i> , 2020, 101, 032104. | 2.1 | 7 |
| 160 | Low-temperature pseudo-phase-transition in an extended Hubbard diamond chain. <i>Physical Review E</i> , 2021, 103, 042123. | 2.1 | 7 |
| 161 | Bloch-like superoscillations and unidirectional motion of phase-driven quantum walkers. <i>Physical Review A</i> , 2021, 103, . | 2.5 | 7 |
| 162 | Unveiling the relationship between structural and polarization effects on the first hyperpolarizability of a merocyanine dye. <i>Journal of Chemical Physics</i> , 2022, 156, 014305. | 3.0 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Rogue waves in discrete-time quantum walks. <i>Physical Review A</i> , 2022, 106, . | 2.5 | 7 |
| 164 | Efficient frequency upconversion of 1319- μ m radiation into intense yellow light at 580 nm in pure SiO ₂ -core monomode optical fiber. <i>Optics Letters</i> , 1993, 18, 1496. | 3.3 | 6 |
| 165 | Spreading of damage in the quantum S=1/2 Heisenberg ferromagnet. <i>Physical Review B</i> , 1997, 56, 2698-2702. | 3.2 | 6 |
| 166 | Spreading of damage and susceptibility in the quantum S=1/2 Heisenberg ferromagnet. <i>Physical Review B</i> , 1998, 58, 2403-2406. | 3.2 | 6 |
| 167 | Specific heat log-periodicity from multifractal energy spectra. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 318, 452-456. | 2.1 | 6 |
| 168 | OPTIMAL TRANSITION RATE AND STOCHASTIC RESONANCE IN A BISTABLE SYSTEM DRIVEN BY POWER-LAW NOISE. <i>International Journal of Modern Physics C</i> , 2003, 14, 303-310. | 1.7 | 6 |
| 169 | Bosons with multifractal energy spectrum: specific heat log periodicity and Bose-Einstein condensation. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 3499-3508. | 1.8 | 6 |
| 170 | Diffusive, super-diffusive and ballistic transport in the long-range correlated 1D Anderson model. <i>Solid State Communications</i> , 2006, 138, 585-589. | 1.9 | 6 |
| 171 | Quantum entanglement and drifting generated by an ac field resonant with frequency-doubled Bloch oscillations of correlated particles. <i>Physical Review A</i> , 2016, 93, . | 2.5 | 6 |
| 172 | Charge transport properties of a twisted DNA molecule: A renormalization approach. <i>Chemical Physics</i> , 2016, 478, 48-54. | 1.9 | 6 |
| 173 | Ground-state phase diagram, fermionic entanglement and kinetically-induced frustration in a hybrid ladder with localized spins and mobile electrons. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 365801. | 1.8 | 6 |
| 174 | Unconventional quantum antiferromagnetism with a fourfold symmetry breaking in a spin- 1/2 Ising-Heisenberg pentagonal chain. <i>Physical Review B</i> , 2018, 97, . | 3.2 | 6 |
| 175 | Nonlinear wave-packet dynamics resonantly driven by AC and DC fields. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 64, 89-97. | 3.3 | 6 |
| 176 | Electronic transport in disordered graphene superlattices with scale-free correlated barrier spacements. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 124, 114210. | 2.7 | 6 |
| 177 | A STOCHASTIC MODEL FOR MULTIFRACTAL BEHAVIOR OF STOCK PRICES. <i>International Journal of Modern Physics B</i> , 2004, 18, 681-689. | 2.0 | 5 |
| 178 | Critical behavior of a two-species reaction-diffusion problem in 2D. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 386, 748-751. | 2.6 | 5 |
| 179 | Delocalized 2-magnons eigenstates in long-range correlated random Heisenberg chains. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2304-2310. | 2.3 | 5 |
| 180 | Kosterlitz-Thouless-like transition in two-dimensional lattices with long-range correlated hopping terms. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 3572-3575. | 2.1 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Finite-size scaling analysis of the critical behavior of a general epidemic process in 2D. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 1433-1439. | 2.6 | 5 |
| 182 | CRITICAL BEHAVIOR OF THE CONTACT PROCESS DELAYED BY INFECTION AND IMMUNIZATION PERIODS. <i>International Journal of Modern Physics C</i> , 2011, 22, 563-571. | 1.7 | 5 |
| 183 | Wave-packet spreading dynamics under a noninstantaneous nonlinearity: Self-trapping, defocusing, and focusing. <i>Physical Review E</i> , 2012, 85, 057201. | 2.1 | 5 |
| 184 | Wavepacket dynamics of coupled particles in aperiodic chains: Weakening of Anderson localization and local field effects. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 395, 22-30. | 2.6 | 5 |
| 185 | Interplay between modulational instability and self-trapping of wavepackets in nonlinear discrete lattices. <i>Chaos</i> , 2015, 25, 063101. | 2.5 | 5 |
| 186 | Enhanced localization, energy anomalous diffusion and resonant mode in harmonic chains with correlated mass-spring disorder. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 175401. | 1.8 | 5 |
| 187 | Methylation effect on the ohmic resistance of a poly-GC DNA-like chain. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 3559-3563. | 2.1 | 5 |
| 188 | Enhanced diode-like operation mediated by an asymmetric non-Hermitian and nonlinear defect. <i>Annals of Physics</i> , 2017, 386, 282-290. | 2.8 | 5 |
| 189 | Critical spreading dynamics of parity conserving annihilating random walks with power-law branching. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 505, 648-654. | 2.6 | 5 |
| 190 | Sub-diffusive spreading and anomalous localization in a 2D Anderson model with off-diagonal nonlinearity. <i>Solid State Communications</i> , 2018, 270, 6-11. | 1.9 | 5 |
| 191 | Quantum communication through chains with diluted disorder. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 1845-1849. | 2.1 | 5 |
| 192 | Entanglement generation between distant parties via disordered spin chains. <i>Quantum Information Processing</i> , 2019, 18, 1. | 2.2 | 5 |
| 193 | Delay-induced bifurcations and chaos in a two-dimensional model for the immune response. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 517, 484-490. | 2.6 | 5 |
| 194 | Rabi-like quantum communication in an aperiodic spin-1/2 chain. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 505, 166730. | 2.3 | 5 |
| 195 | Tangential finite-size scaling at the Gaussian topological transition in the quantum spin-1 anisotropic chain. <i>Physical Review B</i> , 2021, 104, . | 3.2 | 5 |
| 196 | Magnetically driven pair potential in CuO ₂ sheets. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 162, 497-500. | 2.1 | 4 |
| 197 | Evolution of Coherent States in a Dispersionless Fibre with Saturable Nonlinearity and the Generation of Macroscopic Quantum-superposition States. <i>Journal of Modern Optics</i> , 1994, 41, 1361-1370. | 1.3 | 4 |
| 198 | Localization length scaling in binary harmonic chains with correlations controlled by thermal annealing. <i>Journal of Physics Condensed Matter</i> , 1996, 8, L83-L87. | 1.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Spreading of damage in ferromagnetic thin films: Profiles and temporal evolution. Journal of Applied Physics, 1997, 81, 3983-3985. | 2.5 | 4 |
| 200 | Analog study of the first passage time problem driven by power-law distributed noise. Physica A: Statistical Mechanics and Its Applications, 2005, 348, 85-96. | 2.6 | 4 |
| 201 | Fractality of largest clusters and the percolation transition in power-law diluted chains. Physical Review E, 2005, 72, 016116. | 2.1 | 4 |
| 202 | Long-range elastic-mediated interaction between nanoparticles adsorbed on free-standing smectic films. Physical Review E, 2009, 80, 042702. | 2.1 | 4 |
| 203 | Critical behavior of a one-dimensional contact process with time-uncorrelated disorder. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 3785-3790. | 2.6 | 4 |
| 204 | ENERGY DYNAMICS IN A ONE-DIMENSIONAL APERIODIC ANHARMONIC LATTICE. International Journal of Modern Physics C, 2012, 23, 1240009. | 1.7 | 4 |
| 205 | Resonant localized states and quantum percolation on random chains with power-law-diluted long-range couplings. Journal of Physics Condensed Matter, 2012, 24, 205401. | 1.8 | 4 |
| 206 | Vanishing order-parameter critical fluctuations of an absorbing-state transition driven by long-range interactions. Physical Review E, 2013, 87, . | 2.1 | 4 |
| 207 | Adaptive evolution on a continuous lattice model. Physical Review E, 2013, 87, . | 2.1 | 4 |
| 208 | Kinetically-Driven Frustration in Hybrid Spin Ladders. Acta Physica Polonica A, 2014, 126, 12-13. | 0.5 | 4 |
| 209 | Screening effect on the exciton mediated nonlinear optical susceptibility of semiconductor quantum dots. Optics Express, 2014, 22, 28270. | 3.4 | 4 |
| 210 | Stationary and dynamic critical behavior of the contact process on the Sierpinski carpet. Physical Review E, 2015, 91, 052137. | 2.1 | 4 |
| 211 | A new modulation method to generate all-optical logic gates in an AOTF. Microsystem Technologies, 2017, 23, 5491-5503. | 2.0 | 4 |
| 212 | Prey refuge and morphological defense mechanisms as nonlinear triggers in an intraguild predation food web. Communications in Nonlinear Science and Numerical Simulation, 2020, 90, 105373. | 3.3 | 4 |
| 213 | WEAK CHAOS: POWER-LAW SENSITIVITY TO INITIAL CONDITIONS AND NONEXTENSIVE THERMOSTATISTICS. , 1999, , 31-58. | | 4 |
| 214 | Delocalized Vibrational Modes in Disordered Harmonic Chains with Correlated Spring Constants. Acta Physica Polonica B, 2015, 46, 1247. | 0.8 | 4 |
| 215 | Formation of topological defects in nematic shells with a dumbbell-like shape. Soft Matter, 2022, 18, 4189-4196. | 2.7 | 4 |
| 216 | Diagrammatic damage spreading in the quantum Heisenberg ferromagnet. Physica A: Statistical Mechanics and Its Applications, 2000, 283, 42-47. | 2.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Roughness scaling and sensitivity to initial conditions in a symmetric restricted ballistic deposition model. <i>European Physical Journal B</i> , 2000, 17, 693-697. | 1.5 | 3 |
| 218 | BOUNDARY CONDITION DEPENDENCE OF CLUSTER SIZE RATIOS IN RANDOM PERCOLATION. <i>International Journal of Modern Physics C</i> , 2000, 11, 1411-1415. | 1.7 | 3 |
| 219 | Short-time dynamics of isotropic and anisotropic Bak-Sneppen model: extensive simulation results. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 344, 712-717. | 2.6 | 3 |
| 220 | Stationary and dynamical aspects of two-magnon states in disordered ferromagnetic chains. <i>Physical Review B</i> , 2005, 72, . | 3.2 | 3 |
| 221 | Temperature dependence of the Casimir-like force in free-standing smectic films. <i>Physical Review E</i> , 2006, 73, 041703. | 2.1 | 3 |
| 222 | Critical behavior of the delay-induced chaos transition in a nonlinear model for the immune response. <i>Brazilian Journal of Physics</i> , 2009, 39, 431-438. | 1.4 | 3 |
| 223 | Density functional theory study of the electronic properties of naphthofuranquinone compounds with antitrypanocidal activity. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 1270-1279. | 2.0 | 3 |
| 224 | Non-universality of the absorbing-state phase-transition in a linear chain with power-law diluted long-range connections. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 404, 271-278. | 2.6 | 3 |
| 225 | Sub-diffusive electronic transport in a DNA single-strand chain with electron-phonon coupling. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 035104. | 1.8 | 3 |
| 226 | Phase-shift-controlled logic gates in Y-shaped nonlinearly coupled chains. <i>Physical Review E</i> , 2016, 93, 022218. | 2.1 | 3 |
| 227 | Spontaneous decay of a two-level system close to a perfectly reflecting sphere. <i>Annals of Physics</i> , 2017, 378, 162-170. | 2.8 | 3 |
| 228 | Optical absorption and delocalization in a quaternary tight-binding chain with correlated disorder. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 486, 895-900. | 2.6 | 3 |
| 229 | Polarization rotation of localized modes in magneto-photonic Fibonacci structures containing nematic layers. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 657, 11-20. | 0.9 | 3 |
| 230 | All-optical logic gates based on XPM effect under the PAM-ASK modulation in a symmetric dual NLDC. <i>Microsystem Technologies</i> , 2019, 25, 447-459. | 2.0 | 3 |
| 231 | Transmission of quantum states through disordered channels with dimerized defects. <i>Quantum Information Processing</i> , 2019, 18, 1. | 2.2 | 3 |
| 232 | Stationary and dynamical critical behavior of the three-dimensional Diffusive Epidemic Process. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 517, 422-430. | 2.6 | 3 |
| 233 | The self-trapping transition of one-magnon excitations coupled to acoustic phonons. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 506, 166798. | 2.3 | 3 |
| 234 | Absence of phase separation in the frustration-induced hole-interaction mechanism. <i>Physical Review B</i> , 1992, 46, 6607-6610. | 3.2 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 235 | The Electron Localization Problem Via a Local Functional Integral Approach. <i>Modern Physics Letters B</i> , 1998, 12, 301-308. | 1.9 | 2 |
| 236 | Damage-spreading dynamic scaling for the Ising model on the Sierpinski gasket fractal. <i>Physical Review E</i> , 2000, 61, 1227-1231. | 2.1 | 2 |
| 237 | Universal non-monotonic smectic fluctuations of liquid crystal films in a magnetic field. <i>European Physical Journal B</i> , 2003, 32, 189-194. | 1.5 | 2 |
| 238 | One-magnon excitations in Heisenberg ferromagnetic chains with power-law decaying random interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 320, 398-406. | 2.6 | 2 |
| 239 | RECURSIVE SEARCH METHOD APPLIED TO A NONEQUILIBRIUM PHASE TRANSITION. <i>International Journal of Modern Physics C</i> , 2004, 15, 233-239. | 1.7 | 2 |
| 240 | Convergence dynamics of the Bak-Sneppen model: Activity rate and waiting time distribution. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 375, 103-109. | 2.6 | 2 |
| 241 | OPTIMAL DIRECTED CURRENT OF A BROWNIAN MOTOR UNDER A NON-GAUSSIAN NOISE GENERATED BY A MULTIPLICATIVE PROCESS. <i>International Journal of Modern Physics C</i> , 2010, 21, 757-767. | 1.7 | 2 |
| 242 | Crossover from tricritical to critical end point behavior in free-standing smectic films. <i>Physical Review E</i> , 2011, 84, 061706. | 2.1 | 2 |
| 243 | Critical short-time dynamics in a system with interacting static and diffusive populations. <i>Physical Review E</i> , 2012, 85, 011111. | 2.1 | 2 |
| 244 | Elastic mediated force between nanoparticles adsorbed on smectic films under an external field. <i>Physical Review E</i> , 2013, 87, 022502. | 2.1 | 2 |
| 245 | Critical behavior of the absorbing transition of branching and annihilating bosonic random walkers. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P08006. | 2.3 | 2 |
| 246 | Influence of lattice vibrations on the field driven electronic transport in chains with correlated disorder. <i>Solid State Communications</i> , 2016, 248, 123-128. | 1.9 | 2 |
| 247 | Continuously varying critical order-parameter fluctuations in a parity conserving absorbing-state transition with long-range diffusion. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 113205. | 2.3 | 2 |
| 248 | Sensitivity to initial conditions of the self-trapping transition in C60 buckyballs with relaxing nonlinearity. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 30, 101-107. | 3.3 | 2 |
| 249 | Bose-Einstein condensation in chains with power-law hoppings: Exact mapping on the critical behavior in d -dimensional regular lattices. <i>Physical Review E</i> , 2017, 95, 062105. | 2.1 | 2 |
| 250 | From modulational instability to self-trapping in nonlinear chains with power-law hopping amplitudes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 532, 121909. | 2.6 | 2 |
| 251 | Electro-optical switching in twisted nematic samples doped with gold nanorods. <i>Journal of Molecular Liquids</i> , 2019, 295, 111704. | 4.9 | 2 |
| 252 | Magnetic field influence on kinetically-induced frustration in a hybrid spin-electron ladder. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 121116. | 2.6 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | Rectification of acoustic phonons in harmonic chains with nonreciprocal spring defects. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 245401. | 1.8 | 2 |
| 254 | Dynamical aspects of the ferromagnetic transition in the Hubbard model. <i>Solid State Communications</i> , 1992, 81, 883-886. | 1.9 | 1 |
| 255 | Scaling function near a fluctuation-induced tricritical point. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 165, 96-99. | 2.1 | 1 |
| 256 | Hole-hole correlations induced by magnetic frustration. <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 104-107, 587-588. | 2.3 | 1 |
| 257 | Multifractal entanglement of copropagating electromagnetic fields. <i>Europhysics Letters</i> , 1996, 33, 117-122. | 2.0 | 1 |
| 258 | IUPAP International Conference on New Trends in the Fractal Aspects of Complex Systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 295, xv-xvi. | 2.6 | 1 |
| 259 | A multi-defect initialization-based percolation model: a successful scheme to explain dielectric breakdown in MOS devices. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 17, 645-647. | 2.7 | 1 |
| 260 | Fluctuation-induced interaction in smectic films under an ordering external field. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 344, 595-600. | 2.6 | 1 |
| 261 | Parallel and orthogonal stimulus in ultradiluted neural networks. <i>Physical Review E</i> , 2006, 74, 046117. | 2.1 | 1 |
| 262 | Surface effects on the relaxation dynamics of hexatic-Bliquid-crystal films. <i>Physical Review E</i> , 2006, 74, 051705. | 2.1 | 1 |
| 263 | Recognition ability of the fully connected Hopfield neural network under a persistent stimulus field. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 1279-1288. | 2.6 | 1 |
| 264 | Transmission spectrum of a dielectric binary multilayered structure with diluted disorder. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2012, 10, 463-469. | 2.0 | 1 |
| 265 | Critical behavior of the absorbing state transition in the contact process with relaxing immunization. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 5349-5354. | 2.6 | 1 |
| 266 | Damped Rabi wavepacket oscillations and damping time in correlated random ladders. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 54, 157-161. | 2.7 | 1 |
| 267 | Stability of uniform electronic wavepackets in chains and fullerenes. <i>International Journal of Modern Physics C</i> , 2015, 26, 1550133. | 1.7 | 1 |
| 268 | Threshold of coexistence and critical behavior of a predator-prey stochastic model in a fractal landscape. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 083204. | 2.3 | 1 |
| 269 | Revisiting Bloch oscillations in homogeneous and binary chains from an exact quantum mechanical perspective. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600805. | 1.5 | 1 |
| 270 | A mean field study of quantum transitions in a spin-1/2 XY chain with a transverse long-range interaction. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 441, 482-489. | 2.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 271 | The electrostatic embedding contribution to DFT calculations of ligand-amino acid residues interaction. <i>Journal of Molecular Modeling</i> , 2018, 24, 211. | 1.8 | 1 |
| 272 | Critical properties of a vector-mediated epidemic process. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 533, 122085. | 2.6 | 1 |
| 273 | Spontaneous Radiation of a Two-Level System Confined in a Reflective Spherical Shell Quantum Dot. <i>Brazilian Journal of Physics</i> , 2019, 49, 423-431. | 1.4 | 1 |
| 274 | Critical properties of the SIS model on the clustered homophilic network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 559, 125067. | 2.6 | 1 |
| 275 | Localization properties of a discrete-time 1D quantum walk with generalized exponential correlated disorder. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 394, 127196. | 2.1 | 1 |
| 276 | Asymmetric acoustic wave scattering by a nonreciprocal and position-dependent mass defect. <i>Journal of Physics Condensed Matter</i> , 2021, 33, . | 1.8 | 1 |
| 277 | Generation and distribution of atomic entanglement in coupled-cavity arrays. <i>Physical Review A</i> , 2020, 102, . | 2.5 | 1 |
| 278 | Universal dynamical scaling laws in three-state quantum walks. <i>Physical Review E</i> , 2021, 104, 054106. | 2.1 | 1 |
| 279 | Absence of a percolation threshold in a quantum diluted Ising model. <i>Physical Review B</i> , 1993, 48, 10272-10275. | 3.2 | 0 |
| 280 | Phase distribution and superstructures on the phase correlation of copropagating electromagnetic fields. <i>Journal of Modern Optics</i> , 1996, 43, 1671-1681. | 1.3 | 0 |
| 281 | UNIVERSAL MULTIFRACTAL SINGULARITY SPECTRUM OF GENERALIZED PURITY MEASURES. <i>Fractals</i> , 1996, 04, 49-58. | 3.7 | 0 |
| 282 | Effective scaling behavior of magnetization and Hamming distance in Ising thin films under a surface field. <i>European Physical Journal B</i> , 1999, 12, 115-118. | 1.5 | 0 |
| 283 | Reweighting histogram technique for the quantum Heisenberg ferromagnet. <i>Computer Physics Communications</i> , 2002, 146, 16-23. | 7.5 | 0 |
| 284 | Onset of power-law scaling behavior in idiosyncratic random and scale-free networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 3158-3163. | 2.1 | 0 |
| 285 | Crossover From Under to Overdamped Dynamics in Free-Standing Smectic Films Close to the Smectic-A-Nematic Second Order Phase Transition. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 576, 60-70. | 0.9 | 0 |
| 286 | Wavepacket delocalization, self-trapping and fragmentation in discrete chains with relaxing nonlinearity. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017, 44, 159-166. | 3.3 | 0 |
| 287 | Non-universal critical initial slip of parity conserving branching and annihilating random walkers with long-range diffusion. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 549, 124325. | 2.6 | 0 |
| 288 | Emerging extreme value and Fermi-Dirac distributions in the Lévy branching and annihilating process. <i>Physical Review E</i> , 2020, 101, 052136. | 2.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 289 | Porque as bolsas de valores quebram: a origem das caudas grossas nas distribuições de retornos. Revista Brasileira De Ensino De Fisica, 2007, 29, 341-346. | 0.2 | 0 |
| 290 | Quantum percolation of one-electron states in power-law diluted chains. Brazilian Journal of Physics, 2008, 38, . | 1.4 | 0 |
| 291 | Analysis of an All-Optical Logic Gate Using a Photonic Crystal Fiber Modulated by Pulse Width Modulation. Advanced Science, Engineering and Medicine, 2019, 11, 187-190. | 0.3 | 0 |
| 292 | Stationary scattering solution and logic operations in X-coupled tight-binding chains. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 446, 128286. | 2.1 | 0 |