Marcelo L Lyra

List of Publications by Year
in descending order

292	4,966	147801 31	138484 58
papers	citations	h-index	g-index

293	293	293	2282
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Unveiling the relationship between structural and polarization effects on the first hyperpolarizability of a merocyanine dye. Journal of Chemical Physics, 2022, 156, 014305.	3.0	7
2	Formation of topological defects in nematic shells with a dumbbell-like shape. Soft Matter, 2022, 18, 4189-4196.	2.7	4
3	Rogue waves in discrete-time quantum walks. Physical Review A, 2022, 106, .	2.5	7
4	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
5	Low-temperature pseudo-phase-transition in an extended Hubbard diamond chain. Physical Review E, 2021, 103, 042123.	2.1	7
6	Localization properties of a discrete-time 1D quantum walk with generalized exponential correlated disorder. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 394, 127196.	2.1	1
7	Asymmetric acoustic wave scattering by a nonreciprocal and position-dependent mass defect. Journal of Physics Condensed Matter, 2021, 33, .	1.8	1
8	Tangential finite-size scaling at the Gaussian topological transition in the quantum spin-1 anisotropic chain. Physical Review B, 2021, 104, .	3.2	5
9	Bloch-like superoscillations and unidirectional motion of phase-driven quantum walkers. Physical Review A, 2021, 103, .	2.5	7
10	Universal dynamical scaling laws in three-state quantum walks. Physical Review E, 2021, 104, 054106.	2.1	1
11	Critical properties of the SIS model on the clustered homophilic network. Physica A: Statistical Mechanics and Its Applications, 2020, 559, 125067.	2.6	1
12	Non-universal critical initial slip of parity conserving branching and annihilating random walkers with long-range diffusion. Physica A: Statistical Mechanics and Its Applications, 2020, 549, 124325.	2.6	0
13	Exact and density matrix renormalization group studies of two mixed spin- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>(</mml:mo><mml:mfrac><mml:mn>1</mml:mn><mml:mn> branched-chain models developed for a heterotrimetallic Fe-Mn-Cu coordination polymer. Physical Review B, 2020, 102, .	3.2	15
14	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
15	Emerging extreme value and Fermi-Dirac distributions in the LÃ©vy branching and annihilating process. Physical Review E, 2020, 101, 052136.	2.1	0
16	Magnetic behavior of a ferroferrimagnetic ternary alloy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:msub><mml:mi>B</mml:mi><mml:mi><mml:mi> with a selective site disorder: Case study of a mixed-spin Ising model on a honeycomb lattice. Physical Review E, 2020, 101, 032104.	2.1	7
17	The self-trapping transition of one-magnon excitations coupled to acoustic phonons. Journal of Magnetism and Magnetic Materials, 2020, 506, 166798.	2.3	3
18	Rectification of acoustic phonons in harmonic chains with nonreciprocal spring defects. Journal of Physics Condensed Matter, 2020, 32, 245401.	1.8	2

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19	Emergent nonlinear phenomena in discrete-time quantum walks. Physical Review A, 2020, 101, .	2.5	12
20	Rabi-like quantum communication in an aperiodic spin-1/2 chain. Journal of Magnetism and Magnetic Materials, 2020, 505, 166730.	2.3	5
21	Electronic transport in disordered graphene superlattices with scale-free correlated barrier spacements. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 124, 114210.	2.7	6
22	Generation and distribution of atomic entanglement in coupled-cavity arrays. Physical Review A, 2020, 102, .	2.5	1
23	All-optical logic gates based on XPM effect under the PAM-ASK modulation in a symmetric dual NLDC. Microsystem Technologies, 2019, 25, 447-459.	2.0	3
24	Critical properties of a vector-mediated epidemic process. Physica A: Statistical Mechanics and Its Applications, 2019, 533, 122085.	2.6	1
25	Robust entanglement transfer through a disordered qubit ladder. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 125847.	2.1	8
26	From modulational instability to self-trapping in nonlinear chains with power-law hopping amplitudes. Physica A: Statistical Mechanics and Its Applications, 2019, 532, 121909.	2.6	2
27	Electro-optical switching in twisted nematic samples doped with gold nanorods. Journal of Molecular Liquids, 2019, 295, 111704.	4.9	2
28	Breakdown of intermediate one-half magnetization plateau of spin-1/2 Ising-Heisenberg and Heisenberg branched chains at triple and Kosterlitz-Thouless critical points. Physical Review E, 2019, 100, 042127.	2.1	11
29	Transmission of quantum states through disordered channels with dimerized defects. Quantum Information Processing, 2019, 18, 1.	2.2	3
30	Magnetic field influence on kinetically-induced frustration in a hybrid spin-electron ladder. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 121116.	2.6	2
31	Electronic transport on graphene armchair-edge nanoribbons with Fermi velocity and potential barriers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2416-2423.	2.1	13
32	Quantum communication through chains with diluted disorder. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 1845-1849.	2.1	5
33	Universality and quasicritical exponents of one-dimensional models displaying a quasitransition at finite temperatures. Physical Review E, 2019, 99, 042117.	2.1	13
34	Kosterlitz-Thouless and Gaussian criticalities in a mixed spin-(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (xmlns:mml="ht	3.2	21
35	Spontaneous Radiation of a Two-Level System Confined in a Reflective Spherical Shell Quantum Dot. Brazilian Journal of Physics, 2019, 49, 423-431.	1.4	1
36	Enhanced nonreciprocal transmission through a saturable cubic-quintic nonlinear dimer defect. Scientific Reports, 2019, 9, 1871.	3.3	8

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37	Localization-delocalization transition in discrete-time quantum walks with long-range correlated disorder. Physical Review E, 2019, 99, 022117.	2.1	11
38	Entanglement generation between distant parties via disordered spin chains. Quantum Information Processing, 2019, 18, 1.	2.2	5
39	Stationary and dynamical critical behavior of the three-dimensional Diffusive Epidemic Process. Physica A: Statistical Mechanics and Its Applications, 2019, 517, 422-430.	2.6	3
40	Delay-induced bifurcations and chaos in a two-dimensional model for the immune response. Physica A: Statistical Mechanics and Its Applications, 2019, 517, 484-490.	2.6	5
41	Magnetization processes and quantum entanglement in a spin-1/2 Ising-Heisenberg chain model of a heterotrimetallic Fe-Mn-Cu coordination polymer. Journal of Magnetism and Magnetic Materials, 2019, 471, 423-431.	2.3	13
42	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
43	Unconventional quantum antiferromagnetism with a fourfold symmetry breaking in a spin- 12 Ising-Heisenberg pentagonal chain. Physical Review B, 2018, 97, .	3.2	6
44	Nonlinear wave-packet dynamics resonantly driven by AC and DC fields. Communications in Nonlinear Science and Numerical Simulation, 2018, 64, 89-97.	3.3	6
45	Critical spreading dynamics of parity conserving annihilating random walks with power-law branching. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 648-654.	2.6	5
46	Heterobimetallic Dy-Cu coordination compound as a classical-quantum ferrimagnetic chain of regularly alternating Ising and Heisenberg spins. Journal of Magnetism and Magnetic Materials, 2018, 460, 368-380.	2.3	13
47	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
48	Thermodynamic behavior and enhanced magnetocaloric effect in a frustrated spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si24.gif" overflow="scroll"><mml:mrow><mml:mfrac><mml:mrow><mml:mn>1</mml:mn></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:mfrac></mml:mrow></mml:math> Ising-Heisenberg triangular tube. Journal of Magnetism and Magnetic Materials, 2018, 451, 218-225.	2.3	11
49	Sub-diffusive spreading and anomalous localization in a 2D Anderson model with off-diagonal nonlinearity. Solid State Communications, 2018, 270, 6-11.	1.9	5
50	Localization properties and high-fidelity state transfer in hopping models with correlated disorder. Annals of Physics, 2018, 398, 180-189.	2.8	9
51	Phase diagram and re-entrant fermionic entanglement in a hybrid Ising-Hubbard ladder. Physical Review E, 2018, 97, 052115.	2.1	10
52	The electrostatic embedding contribution to DFT calculations of ligand-amino acid residues interaction. Journal of Molecular Modeling, 2018, 24, 211.	1.8	1
53	Spontaneous decay of a two-level system close to a perfectly reflecting sphere. Annals of Physics, 2017, 378, 162-170.	2.8	3
54	Revisiting Bloch oscillations in homogeneous and binary chains from an exact quantum mechanical perspective. Physica Status Solidi (B): Basic Research, 2017, 254, 1600805.	1.5	1

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55	A new modulation method to generate all-optical logic gates in an AOTF. Microsystem Technologies, 2017, 23, 5491-5503.	2.0	4
56	Optical absorption and delocalization in a quaternary tight-binding chain with correlated disorder. Physica A: Statistical Mechanics and Its Applications, 2017, 486, 895-900.	2.6	3
57	Enhanced diode-like operation mediated by an asymmetric non-Hermitian and nonlinear defect. Annals of Physics, 2017, 386, 282-290.	2.8	5
58	Disorder-assisted distribution of entanglement in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>X</mml:mi><mml:mi>Y</mml:mi></mml:mrow></mml:ma spin chains. Physical Review A, 2017, 96, .	2.5	27
59	Thermal entanglement in a spin-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
60	A mean field study of quantum transitions in a spin-1/2 XY chain with a transverse long-range interaction. Journal of Magnetism and Magnetic Materials, 2017, 441, 482-489.	2.3	1
61	Bose-Einstein condensation in chains with power-law hoppings: Exact mapping on the critical behavior in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>d</mml:mi></mml:math> -dimensional regular lattices. Physical Review E, 2017, 95, 062105.	2.1	2
62	Ground-state phase diagram, fermionic entanglement and kinetically-induced frustration in a hybrid ladder with localized spins and mobile electrons. Journal of Physics Condensed Matter, 2017, 29, 365801.	1.8	6
63	Wavepacket delocalization, self-trapping and fragmentation in discrete chains with relaxing nonlinearity. Communications in Nonlinear Science and Numerical Simulation, 2017, 44, 159-166.	3.3	0
64	Polarization rotation of localized modes in magneto-photonic Fibonacci structures containing nematic layers. Molecular Crystals and Liquid Crystals, 2017, 657, 11-20.	0.9	3
65	Ground states, magnetization plateaus and bipartite entanglement of frustrated spin-1/2 Ising-Heisenberg and Heisenberg triangular tubes. Journal of Magnetism and Magnetic Materials, 2016, 417, 294-301.	2.3	12
66	Defect structures in nematic liquid crystal shells of different shapes. Liquid Crystals Reviews, 2016, 4, 35-58.	4.1	13
67	Methylation effect on the ohmic resistance of a poly-GC DNA-like chain. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 3559-3563.	2.1	5
68	Influence of lattice vibrations on the field driven electronic transport in chains with correlated disorder. Solid State Communications, 2016, 248, 123-128.	1.9	2
69	Switching of transmission resonances in a two-channels coupler: A Boundary Wall Method scattering study. Annals of Physics, 2016, 373, 707-716.	2.8	9
70	Threshold of coexistence and critical behavior of a predator-prey stochastic model in a fractal landscape. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 083204.	2.3	1
71	Continuously varying critical order-parameter fluctuations in a parity conserving absorbing-state transition with long-range diffusion. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 113205.	2.3	2
72	Quantum entanglement and drifting generated by an ac field resonant with frequency-doubled Bloch oscillations of correlated particles. Physical Review A, 2016, 93, .	2.5	6

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73	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
74	Tunable topological valence in nematic shells on spherocylindrical colloidal particles. Physical Review E, 2016, 93, 012703.	2.1	7
75	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
76	Charge transport properties of a twisted DNA molecule: A renormalization approach. Chemical Physics, 2016, 478, 48-54.	1.9	6
77	Nonpolar and polar fluid flow through flat nanochannels with amorphous and crystalline walls. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1318-1323.	2.1	7
78	Phase-shift-controlled logic gates in Y-shaped nonlinearly coupled chains. Physical Review E, 2016, 93, 022218.	2.1	3
79	Spin frustration of a spin-1/2 Isingâ€“Heisenberg three-leg tube as an indispensable ground for thermal entanglement. Journal of Magnetism and Magnetic Materials, 2016, 409, 124-133.	2.3	33
80	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
81	Sensitivity to initial conditions of the self-trapping transition in C60 buckyballs with relaxing nonlinearity. Communications in Nonlinear Science and Numerical Simulation, 2016, 30, 101-107.	3.3	2
82	Stationary and dynamic critical behavior of the contact process on the Sierpinski carpet. Physical Review E, 2015, 91, 052137.	2.1	4
83	Electronic transport in methylated fragments of DNA. Applied Physics Letters, 2015, 107, 203701.	3.3	9
84	Interplay between modulational instability and self-trapping of wavepackets in nonlinear discrete lattices. Chaos, 2015, 25, 063101.	2.5	5
85	Stability of uniform electronic wavepackets in chains and fullerenes. International Journal of Modern Physics C, 2015, 26, 1550133.	1.7	1
86	Critical behavior of the absorbing transition of branching and annihilating bosonic random walkers. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P08006.	2.3	2
87	Dual landscapes in Anderson localization on discrete lattices. Europhysics Letters, 2015, 109, 47001.	2.0	19
88	Phase diagrams and anomalous thermodynamic behavior of a correlated spinâ€“electron system on doubly decorated planar lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2915-2921.	2.1	11
89	Sub-diffusive electronic transport in a DNA single-strand chain with electronâ€“phonon coupling. Journal of Physics Condensed Matter, 2015, 27, 035104.	1.8	3
90	Enhanced localization, energy anomalous diffusion and resonant mode in harmonic chains with correlated mass-spring disorder. Journal of Physics Condensed Matter, 2015, 27, 175401.	1.8	5

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91	Ghost stochastic resonance induced by a power-law distributed noise in the FitzHughâ€“Nagumo neuron model. Communications in Nonlinear Science and Numerical Simulation, 2015, 22, 641-649.	3.3	10
92	Delocalized Vibrational Modes in Disordered Harmonic Chains with Correlated Spring Constants. Acta Physica Polonica B, 2015, 46, 1247.	0.8	4
93	Kinetically-Driven Frustration in Hybrid Spin Ladders. Acta Physica Polonica A, 2014, 126, 12-13.	0.5	4
94	Screening effect on the exciton mediated nonlinear optical susceptibility of semiconductor quantum dots. Optics Express, 2014, 22, 28270.	3.4	4
95	Nonreciprocal transmission through a saturable nonlinear asymmetric dimer. Physical Review E, 2014, 90, 022901.	2.1	19
96	Bose-Einstein condensation in diamond hierarchical lattices. Physical Review E, 2014, 89, 052133.	2.1	15
97	Non-universality of the absorbing-state phase-transition in a linear chain with power-law diluted long-range connections. Physica A: Statistical Mechanics and Its Applications, 2014, 404, 271-278.	2.6	3
98	Generation of logic gates based on a photonic crystal fiber Michelson interferometer. Optics Communications, 2014, 322, 143-149.	2.1	25
99	DNA-based nanobiostructured devices: The role of quasiperiodicity and correlation effects. Physics Reports, 2014, 535, 139-209.	25.6	88
100	The quantum biophysics of the isoniazid adduct NADH binding to its InhA reductase target. New Journal of Chemistry, 2014, 38, 2946.	2.8	18
101	Magnetization process, bipartite entanglement, and enhanced magnetocaloric effect of the exactly solved spin-1/2 Ising-Heisenberg tetrahedral chain. Physical Review E, 2014, 89, 022143.	2.1	34
102	Wavepacket dynamics of coupled particles in aperiodic chains: Weakening of Anderson localization and local field effects. Physica A: Statistical Mechanics and Its Applications, 2014, 395, 22-30.	2.6	5
103	Non monotonic influence of Hubbard interaction on the Anderson localization of two-electron wavepackets. Physica A: Statistical Mechanics and Its Applications, 2014, 411, 35-41.	2.6	12
104	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
105	Interplay between spin frustration and thermal entanglement in the exactly solved Isingâ€“Heisenberg tetrahedral chain. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 920-926.	2.1	13
106	Realization of All-Optical Logic Gates in a Triangular Triple-Core Photonic Crystal Fiber. Journal of Lightwave Technology, 2013, 31, 731-739.	4.6	41
107	Damped Rabi wavepacket oscillations and damping time in correlated random ladders. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 54, 157-161.	2.7	1
108	Crossover from strong to weak exciton confinement and third-harmonic generation on one-dimensional quantum dots. Photonics and Nanostructures - Fundamentals and Applications, 2013, 11, 8-14.	2.0	12

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109	Elastic mediated force between nanoparticles adsorbed on smectic films under an external field. Physical Review E, 2013, 87, 022502.	2.1	2
110	Crossover From Under to Overdamped Dynamics in Free-Standing Smectic Films Close to the Smectic-A-Nematic Second Order Phase Transition. Molecular Crystals and Liquid Crystals, 2013, 576, 60-70.	0.9	0
111	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
112	Critical properties of a superdiffusive epidemic process. Physical Review E, 2013, 87, 062108.	2.1	7
113	Vanishing order-parameter critical fluctuations of an absorbing-state transition driven by long-range interactions. Physical Review E, 2013, 87, .	2.1	4
114	Adaptive evolution on a continuous lattice model. Physical Review E, 2013, 87, .	2.1	4
115	Critical behavior of the ideal-gas Bose-Einstein condensation in the Apollonian network. Physical Review E, 2013, 88, 022139.	2.1	9
116	Critical short-time dynamics in a system with interacting static and diffusive populations. Physical Review E, 2012, 85, 011111.	2.1	2
117	NUMERICAL ANALYSIS OF THE INSTANTANEOUS AND RELAXED KERR MODEL FOR GENERATION OF THE ALL-OPTICAL LOGIC GATES WITH TRIANGULAR FIBER COUPLER (TFC). Journal of Nonlinear Optical Physics and Materials, 2012, 21, 1250037.	1.8	11
118	The universality class of random searches in critically scarce environments. Europhysics Letters, 2012, 97, 50005.	2.0	14
119	Wave-packet spreading dynamics under a noninstantaneous nonlinearity: Self-trapping, defocusing, and focusing. Physical Review E, 2012, 85, 057201.	2.1	5
120	Transmission spectrum of a dielectric binary multilayered structure with diluted disorder. Photonics and Nanostructures - Fundamentals and Applications, 2012, 10, 463-469.	2.0	1
121	Critical behavior of the absorbing state transition in the contact process with relaxing immunization. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 5349-5354.	2.6	1
122	Onset of power-law scaling behavior in idiotypic random and scale-free networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 3158-3163.	2.1	0
123	ENERGY DYNAMICS IN A ONE-DIMENSIONAL APERIODIC ANHARMONIC LATTICE. International Journal of Modern Physics C, 2012, 23, 1240009.	1.7	4
124	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
125	Ghost resonance in the chaotic Chua's circuit. Physical Review E, 2012, 85, 056201.	2.1	13
126	Self-trapping of interacting electrons in crystalline nonlinear chains. European Physical Journal B, 2012, 85, 1.	1.5	13

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127	Analysis of the nonlinear optical switching in a Sagnac interferometer with non-instantaneous Kerr effect. Optics Communications, 2012, 285, 1408-1417.	2.1	12
128	Localization on a two-channel model with cross-correlated disorder. Journal of Physics Condensed Matter, 2011, 23, 175304.	1.8	8
129	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
130	Geometrical and Anderson transitions in harmonic chains with constrained long-range couplings. Physical Review E, 2011, 84, 041110.	2.1	12
131	Phase coexistence induced by a defensive reaction in a cellular automaton traffic flow model. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 3558-3565.	2.6	30
132	Anderson localization in a disordered chain with a finite nonlinear response time. European Physical Journal B, 2011, 80, 321-324.	1.5	11
133	Electron wave packet dynamics in twisted nonlinear ladders with correlated disorder. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 535-540.	2.6	11
134	Finite-size scaling analysis of the critical behavior of a general epidemic process in 2D. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 1433-1439.	2.6	5
135	Density functional theory study of the electronic properties of naphthofuranquinone compounds with antitrypanocidal activity. International Journal of Quantum Chemistry, 2011, 111, 1270-1279.	2.0	3
136	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
137	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
138	Crossover from tricritical to critical end point behavior in free-standing smectic films. Physical Review E, 2011, 84, 061706.	2.1	2
139	Bose-Einstein condensation in the infinitely ramified star and wheel graphs. Physical Review E, 2011, 83, 061137.	2.1	12
140	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. Fiber and Integrated Optics, 2011, 30, 201-230.	2.5	11
141	Resonant states and wavepacket super-diffusion in intra-chain correlated ladders with diluted disorder. Journal of Physics Condensed Matter, 2011, 23, 135303.	1.8	7
142	CRITICAL BEHAVIOR OF THE CONTACT PROCESS DELAYED BY INFECTION AND IMMUNIZATION PERIODS. International Journal of Modern Physics C, 2011, 22, 563-571.	1.7	5
143	A molecular dynamics study of ferroelectric nanoparticles immersed in a nematic liquid crystal. European Physical Journal E, 2010, 31, 81-87.	1.6	19
144	Kosterlitzâ€“Thouless-like transition in two-dimensional lattices with long-range correlated hopping terms. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 3572-3575.	2.1	5

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145	Electron self-trapping and self-focusing in periodic chains with a finite nonlinear response time. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 4152-4155.	2.1	13
146	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
147	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
148	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
149	Suppression of Bose-Einstein condensation in one-dimensional scale-free random potentials. Physical Review B, 2010, 82, .	3.2	8
150	Effects of nonlinearity on wave-packet dynamics in square and honeycomb lattices. Physical Review B, 2010, 82, .	3.2	14
151	Bose-Einstein condensation in the Apollonian complex network. Physical Review E, 2010, 81, 030104.	2.1	26
152	Tunable reflectance spectra of multilayered cholesteric photonic structures with anisotropic defect layers. Physical Review E, 2010, 81, 031713.	2.1	23
153	OPTIMAL DIRECTED CURRENT OF A BROWNIAN MOTOR UNDER A NON-GAUSSIAN NOISE GENERATED BY A MULTIPLICATIVE PROCESS. International Journal of Modern Physics C, 2010, 21, 757-767.	1.7	2
154	Critical properties of the diffusive epidemic process obtained via an automatic search technique. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P04027.	2.3	7
155	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
156	Study of the optical and magnetic properties of pyrimidine in water combining PCM and QM/MM methodologies. Physical Chemistry Chemical Physics, 2010, 12, 14023.	2.8	47
157	Critical behavior of the delay-induced chaos transition in a nonlinear model for the immune response. Brazilian Journal of Physics, 2009, 39, 431-438.	1.4	3
158	Magnetocaloric effect in kinetically frustrated diamond chains. Physical Review B, 2009, 79, .	3.2	70
159	Universality classes of the absorbing state transition in a system with interacting static and diffusive populations. Physical Review E, 2009, 80, 061127.	2.1	11
160	Free-electron gas in the Apollonian network: Multifractal energy spectrum and its thermodynamic fingerprints. Physical Review E, 2009, 79, 016104.	2.1	37
161	Long-range elastic-mediated interaction between nanoparticles adsorbed on free-standing smectic films. Physical Review E, 2009, 80, 042702.	2.1	4
162	Wave-Packet Dynamics in Chains with Delayed Electronic Nonlinear Response. Physical Review Letters, 2009, 103, 096401.	7.8	32

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163	Field-Induced Layer Thinning Transition on Free-Standing Smectic Films. Physical Review Letters, 2009, 103, 177801.	7.8	12
164	Optical cryptography under PPM-PAM modulation based in short optical pulses in an acoustic-optic tunable filter (AOTF). Optical and Quantum Electronics, 2009, 41, 963-980.	3.3	12
165	Correlation and complexity analysis of well logs via Lyapunov, Hurst, Lempelâ€“Ziv and neural network algorithms. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 747-754.	2.6	12
166	Suppressed transmission in aperiodically modulated multilayered dielectric structures. Photonics and Nanostructures - Fundamentals and Applications, 2009, 7, 101-107.	2.0	13
167	Recognition ability of the fully connected Hopfield neural network under a persistent stimulus field. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 1279-1288.	2.6	1
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