

Marcelo L Lyra

List of Publications by Year in descending order

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292
papers

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citations

147566

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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.	2.9	408
2	Nonextensivity and Multifractality in Low-Dimensional Dissipative Systems. Physical Review Letters, 1998, 80, 53-56.	2.9	390
3	Optimizing the Encounter Rate in Biological Interactions: Lévy versus Brownian Strategies. Physical Review Letters, 2002, 88, 097901.	2.9	281
4	Power-law sensitivity to initial conditions within a logisticlike family of maps: Fractality and nonextensivity. Physical Review E, 1997, 56, 245-250.	0.8	135
5	Lévy flight random searches in biological phenomena. Physica A: Statistical Mechanics and Its Applications, 2002, 314, 208-213.	1.2	94
6	Bloch-Like Oscillations in a One-Dimensional Lattice with Long-Range Correlated Disorder. Physical Review Letters, 2003, 91, 197402.	2.9	92
7	DNA-based nanobiostructured devices: The role of quasiperiodicity and correlation effects. Physics Reports, 2014, 535, 139-209.	10.3	88
8	Correlation-induced metal-insulator transition in the one-dimensional Anderson model. Physica A: Statistical Mechanics and Its Applications, 1999, 266, 465-470.	1.2	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.	1.2	78
10	Convergence to the critical attractor of dissipative maps: Log-periodic oscillations, fractality, and nonextensivity. Physical Review E, 2000, 62, 6361-6365.	0.8	76
11	Nucleotide correlations and electronic transport of DNA sequences. Physical Review E, 2005, 71, 021910.	0.8	73
12	Magnetocaloric effect in kinetically frustrated diamond chains. Physical Review B, 2009, 79, .	1.1	70
13	Delocalization in harmonic chains with long-range correlated random masses. Physical Review B, 2003, 68, .	1.1	68
14	Frequency doubling of Bloch oscillations for interacting electrons in a static electric field. Physical Review B, 2007, 76, .	1.1	61
15	Delocalization and spin-wave dynamics in ferromagnetic chains with long-range correlated random exchange. Physical Review B, 2002, 66, .	1.1	53
16	Saturation effects on modulational instability in non-Kerr-like monomode optical fibers. Optics Communications, 1994, 108, 117-120.	1.0	50
17	Localization properties of a one-dimensional tight-binding model with nonrandom long-range intersite interactions. Physical Review B, 2005, 71, .	1.1	48
18	Critical behavior of a one-dimensional diffusive epidemic process. Physical Review E, 2001, 63, 066118.	0.8	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.	0.7	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.	1.3	47
21	Magnetization plateau in diamond chains with delocalized interstitial spins. <i>Physical Review B</i> , 2008, 77, .	1.1	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.	2.7	41
23	de Moura and Lyra Reply:. <i>Physical Review Letters</i> , 2000, 84, 199-199.	2.9	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.	0.9	38
25	Free-electron gas in the Apollonian network: Multifractal energy spectrum and its thermodynamic fingerprints. <i>Physical Review E</i> , 2009, 79, 016104.	0.8	37
26	Circular-like maps: sensitivity to the initial conditions, multifractality and nonextensivity. <i>European Physical Journal B</i> , 1999, 11, 309-315.	0.6	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.	0.8	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.	1.0	33
29	Delocalization and wave-packet dynamics in one-dimensional diluted Anderson models. <i>European Physical Journal B</i> , 2003, 36, 81-86.	0.6	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.	1.2	32
31	Generalized Zipf's law in proportional voting processes. <i>Europhysics Letters</i> , 2003, 62, 131-137.	0.7	32
32	Wave-Packet Dynamics in Chains with Delayed Electronic Nonlinear Response. <i>Physical Review Letters</i> , 2009, 103, 096401.	2.9	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.	1.2	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.	0.7	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.	1.2	28
36	Circular-like maps: sensitivity to the initial conditions, multifractality and nonextensivity. <i>European Physical Journal B</i> , 1999, 11, 309.	0.6	28

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37	Disorder-assisted distribution of entanglement in X and Y spin chains. Physical Review A, 2017, 96, .	0.8	27
38	Asymmetric unimodal maps at the edge of chaos. Physical Review E, 2002, 65, 036207.	0.8	26
39	Vibrational modes in harmonic chains with diluted disorder. Physica A: Statistical Mechanics and Its Applications, 2005, 357, 165-172.	1.2	26
40	Bose-Einstein condensation in the Apollonian complex network. Physical Review E, 2010, 81, 030104.	0.8	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.	1.2	26
42	Generation of logic gates based on a photonic crystal fiber Michelson interferometer. Optics Communications, 2014, 322, 143-149.	1.0	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, .	1.1	24
44	Tunable reflectance spectra of multilayered cholesteric photonic structures with anisotropic defect layers. Physical Review E, 2010, 81, 031713.	0.8	23
45	Radiative properties of a two-level system in the presence of mirrors. Physical Review A, 1994, 49, 1378-1386.	1.0	22
46	Homeotropic surface anchoring and the layer-thinning transition in free-standing films. Physical Review E, 2008, 77, 011704.	0.8	22
47	Phase diagrams for random-bond D-vector models. Physica A: Statistical Mechanics and Its Applications, 1989, 155, 232-253.	1.2	21
48	Finite-size scaling of power-law bond-disordered Anderson models. Physical Review B, 2004, 69, .	1.1	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.	1.0	21
50	Kosterlitz-Thouless and Gaussian criticalities in a mixed spin- T_j Ising model. Physical Review B, 2016, 93, 040407.	1.1	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.	0.9	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, .	1.0	20
53	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.	1.2	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.	0.9	20

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55	Low-dimensional non-linear dynamical systems and generalized entropy. Brazilian Journal of Physics, 1999, 29, 144-152.	0.7	19
56	Bloch oscillations in an aperiodic one-dimensional potential. Physical Review B, 2005, 71, .	1.1	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.	1.2	19
58	A molecular dynamics study of ferroelectric nanoparticles immersed in a nematic liquid crystal. European Physical Journal E, 2010, 31, 81-87.	0.7	19
59	Nonreciprocal transmission through a saturable nonlinear asymmetric dimer. Physical Review E, 2014, 90, 022901.	0.8	19
60	Dual landscapes in Anderson localization on discrete lattices. Europhysics Letters, 2015, 109, 47001.	0.7	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.	0.9	18
62	Reflection chromaticity of multilayered structures incorporating cholesteric liquid crystals. Journal of Applied Physics, 2008, 104, 103511.	1.1	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.	0.9	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, .	1.1	18
65	The quantum biophysics of the isoniazid adduct NADH binding to its InhA reductase target. New Journal of Chemistry, 2014, 38, 2946.	1.4	18
66	Largest and second largest cluster statistics at the percolation threshold of hypercubic lattices. Physical Review E, 2002, 66, 056107.	0.8	17
67	Specific heat anomalies of non-interacting fermions with multifractal energy spectra. Physica A: Statistical Mechanics and Its Applications, 2004, 343, 424-432.	1.2	17
68	Scaling laws for the transmission of random binary dielectric multilayered structures. Physical Review B, 2007, 76, .	1.1	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, .	1.1	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.	0.9	17
71	Magnon delocalization in ferromagnetic chains with long-range correlated disorder. Physical Review B, 2002, 65, .	1.1	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.	0.6	16

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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.	0.9	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.	1.0	16
75	Hubbard model: Field theory and critical phenomena. Physical Review B, 1993, 48, 3755-3769.	1.1	15
76	Effects of surface enhancement on fluctuation-induced interactions. Physical Review E, 1993, 47, 3456-3462.	0.8	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.	1.2	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.	1.2	15
79	Critical behavior of a vector-mediated propagation of an epidemic process. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 249-255.	1.2	15
80	A Markov model of financial returns. Physica A: Statistical Mechanics and Its Applications, 2006, 363, 393-403.	1.2	15
81	Coherent electron dynamics in a two-dimensional random system with mobility edges. Journal of Physics Condensed Matter, 2007, 19, 056204.	0.7	15
82	Bose-Einstein condensation in diamond hierarchical lattices. Physical Review E, 2014, 89, 052133.	0.8	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, .	1.1	15
84	Intralayer correlation enhancement and interlayer coherence loss in CuO ₂ bilayers. Physical Review B, 1993, 47, 526-529.	1.1	14
85	Criticality of a contact process with coupled diffusive and nondiffusive fields. Physical Review E, 2007, 75, 031112.	0.8	14
86	Electronic transport in poly(CG) and poly(CT) DNA segments with diluted base pairing. Journal of Physics Condensed Matter, 2008, 20, 075109.	0.7	14
87	Effects of nonlinearity on wave-packet dynamics in square and honeycomb lattices. Physical Review B, 2010, 82, .	1.1	14
88	The universality class of random searches in critically scarce environments. Europhysics Letters, 2012, 97, 50005.	0.7	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.	1.7	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.	0.9	13

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91	Surface effects on the amplitude of fluctuation-induced interactions in smectic films. <i>Physical Review E</i> , 2002, 65, 051711.	0.8	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.	0.9	13
93	Finite-size scaling and disorder effect on the transmissivity of multilayered structures with metamaterials. <i>Optics Express</i> , 2008, 16, 6860.	1.7	13
94	Suppressed transmission in aperiodically modulated multilayered dielectric structures. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2009, 7, 101-107.	1.0	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.	0.9	13
96	Ghost resonance in the chaotic Chua's circuit. <i>Physical Review E</i> , 2012, 85, 056201.	0.8	13
97	Self-trapping of interacting electrons in crystalline nonlinear chains. <i>European Physical Journal B</i> , 2012, 85, 1.	0.6	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.	0.9	13
99	Defect structures in nematic liquid crystal shells of different shapes. <i>Liquid Crystals Reviews</i> , 2016, 4, 35-58.	1.1	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.	1.0	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.	0.9	13
102	Universality and quasicritical exponents of one-dimensional models displaying a quasitransition at finite temperatures. <i>Physical Review E</i> , 2019, 99, 042117.	0.8	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.	1.0	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.	0.8	12
105	Field-Induced Layer Thinning Transition on Free-Standing Smectic Films. <i>Physical Review Letters</i> , 2009, 103, 177801.	2.9	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.	1.5	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.	1.2	12
108	Geometrical and Anderson transitions in harmonic chains with constrained long-range couplings. <i>Physical Review E</i> , 2011, 84, 041110.	0.8	12

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109	Bose-Einstein condensation in the infinitely ramified star and wheel graphs. <i>Physical Review E</i> , 2011, 83, 061137.	0.8	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.	1.0	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.	1.0	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.	1.2	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.	1.0	12
114	Emergent nonlinear phenomena in discrete-time quantum walks. <i>Physical Review A</i> , 2020, 101, .	1.0	12
115	Magnetically induced hole-hole correlations in CuO ₂ sheets. <i>Physical Review B</i> , 1992, 45, 8021-8025.	1.1	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.	1.1	11
117	Critical wave-packet dynamics in the power-law bond disordered Anderson model. <i>Physical Review B</i> , 2005, 71, .	1.1	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.	0.8	11
119	Anderson localization in a disordered chain with a finite nonlinear response time. <i>European Physical Journal B</i> , 2011, 80, 321-324.	0.6	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.	1.2	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.	1.7	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.	1.1	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.	0.9	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.	1.0	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.	0.8	11
126	Localization-delocalization transition in discrete-time quantum walks with long-range correlated disorder. <i>Physical Review E</i> , 2019, 99, 022117.	0.8	11

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127	Temperature-dependent "frustration": A thermodynamic rather than a topological effect. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992, 182, 133-144.	1.2	10
128	Reweighting histograms in quantum Monte Carlo studies of the Heisenberg model. <i>Physical Review B</i> , 2002, 65, .	1.1	10
129	Field-driven crossover from attractive-to-repulsive Casimir-like force in smectic films. <i>Physical Review E</i> , 2004, 70, 050702.	0.8	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.	2.5	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.	1.7	10
132	Phase diagram and re-entrant fermionic entanglement in a hybrid Ising-Hubbard ladder. <i>Physical Review E</i> , 2018, 97, 052115.	0.8	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.	1.2	9
134	Critical dynamics of anisotropic Bak-Sneppen model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 342, 151-157.	1.2	9
135	Multifractal detrended fluctuation analysis of analog random multiplicative processes. <i>Chaos, Solitons and Fractals</i> , 2009, 41, 2806-2811.	2.5	9
136	Critical behavior of the ideal-gas Bose-Einstein condensation in the Apollonian network. <i>Physical Review E</i> , 2013, 88, 022139.	0.8	9
137	Electronic transport in methylated fragments of DNA. <i>Applied Physics Letters</i> , 2015, 107, 203701.	1.5	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.	1.0	9
139	Localization properties and high-fidelity state transfer in hopping models with correlated disorder. <i>Annals of Physics</i> , 2018, 398, 180-189.	1.0	9
140	Damage spreading in the Potts model with cluster dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 282, 176-182.	1.2	8
141	Quantum percolation in power-law diluted chains. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 297, 157-163.	1.2	8
142	Suppression of Bose-Einstein condensation in one-dimensional scale-free random potentials. <i>Physical Review B</i> , 2010, 82, .	1.1	8
143	Localization on a two-channel model with cross-correlated disorder. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 175304.	0.7	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.	0.9	8

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145	Enhanced nonreciprocal transmission through a saturable cubic-quintic nonlinear dimer defect. <i>Scientific Reports</i> , 2019, 9, 1871.	1.6	8
146	Fluctuation-induced first-order transition in the Hubbard model. <i>Solid State Communications</i> , 1990, 74, 1175-1179.	0.9	7
147	Phase diagrams of magnetically disordered bilayers. <i>Physical Review B</i> , 1992, 46, 3420-3426.	1.1	7
148	Universal surface-scaling behavior of hexatic films. <i>Physical Review B</i> , 1993, 47, 2501-2506.	1.1	7
149	Scaling behavior of diffusion limited annihilation reactions on random media. <i>Journal of Chemical Physics</i> , 1996, 105, 5945-5948.	1.2	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.	1.1	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.	1.0	7
152	CRITICAL BEHAVIOR OF AN EPIDEMIC MODEL OF DRUG RESISTANT DISEASES. <i>International Journal of Modern Physics C</i> , 2004, 15, 1279-1290.	0.8	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.	1.3	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.	0.9	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.	0.7	7
156	Critical properties of a superdiffusive epidemic process. <i>Physical Review E</i> , 2013, 87, 062108.	0.8	7
157	Tunable topological valence in nematic shells on spherocylindrical colloidal particles. <i>Physical Review E</i> , 2016, 93, 012703.	0.8	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.	0.9	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.	0.8	7
160	Low-temperature pseudo-phase-transition in an extended Hubbard diamond chain. <i>Physical Review E</i> , 2021, 103, 042123.	0.8	7
161	Bloch-like superoscillations and unidirectional motion of phase-driven quantum walkers. <i>Physical Review A</i> , 2021, 103, .	1.0	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.	1.2	7

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163	Rogue waves in discrete-time quantum walks. <i>Physical Review A</i> , 2022, 106, .	1.0	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.	1.7	6
165	Spreading of damage in the quantum $S=1/2$ Heisenberg ferromagnet. <i>Physical Review B</i> , 1997, 56, 2698-2702.	1.1	6
166	Spreading of damage and susceptibility in the quantum $S=1/2$ Heisenberg ferromagnet. <i>Physical Review B</i> , 1998, 58, 2403-2406.	1.1	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.	0.9	6
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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.	0.7	6
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