AndrÃ© P Vieira

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4906360/publications.pdf

Version: 2024-02-01

44 papers	428 citations	759233 12 h-index	752698 20 g-index
45 all docs	45 docs citations	45 times ranked	334 citing authors

#	Article	IF	Citations
1	Correlation amplitude and entanglement entropy in random spin chains. Physical Review B, 2007, 76, .	3.2	49
2	Applications of detrended-fluctuation analysis to gearbox fault diagnosis. Mechanical Systems and Signal Processing, 2009, 23, 682-689.	8.0	45
3	Low-Energy Properties of Aperiodic Quantum Spin Chains. Physical Review Letters, 2005, 94, 077201.	7.8	31
4	Protecting clean critical points by local disorder correlations. Europhysics Letters, 2011, 93, 30004.	2.0	31
5	Characterization of welding defects by fractal analysis of ultrasonic signals. Chaos, Solitons and Fractals, 2008, 38, 748-754.	5.1	29
6	Aperiodic quantumXXZchains:â€ƒRenormalization-group results. Physical Review B, 2005, 71, .	3.2	24
7	Dynamics of snoring sounds and its connection with obstructive sleep apnea. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 271-277.	2.6	24
8	Phase diagram of a random-anisotropy mixed-spin Ising model. Physical Review B, 2001, 63, .	3.2	20
9	Analytical approach to directed sandpile models on the Apollonian network. Physical Review E, 2007, 76, 026111.	2.1	16
10	Subcritical Crack Growth: The Microscopic Origin of Parisâ€™ Law. Physical Review Letters, 2008, 100, 195503.	7.8	16
11	Keep-Left Behavior Induced by Asymmetrically Profiled Walls. Physical Review X, 2016, 6, .	8.9	14
12	Quantum coherence and criticality in irreversible work. Physical Review Research, 2020, 2, .	3.6	14
13	Phase diagram of a model for a binary mixture of nematic molecules on a Bethe lattice. Physical Review E, 2011, 83, 011701.	2.1	12
14	Maier-Saupe model for a mixture of uniaxial and biaxial molecules. Physical Review E, 2015, 92, 062503.	2.1	12
15	Analytical and numerical studies of disordered spin-1 Heisenberg chains with aperiodic couplings. Physical Review B, 2014, 89, .	3.2	9
16	Percolation on an isotropically directed lattice. Physical Review E, 2018, 98, .	2.1	9
17	Fluctuation Analyses for Pattern Classification in Nondestructive Materials Inspection. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.7	8
18	Strong-disorder renormalization group study of aperiodic quantum Ising chains. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P03007.	2.3	8

#	Article	IF	Citations
19	Lattice Statistical Models for the Nematic Transitions in Liquid-Crystalline Systems. Brazilian Journal of Physics, 2016, 46, 664-671.	1.4	7
20	FRACTAL ANALYSIS OF METAL TRANSFER IN MIGâˆ•MAG WELDING. , 2009, , .		6
21	Subcritical fatigue in fuse networks. Europhysics Letters, 2012, 100, 36006.	2.0	6
22	Correlated disordered interactions on Potts models. Physical Review E, 2002, 65, 046120.	2.1	4
23	Dynamics of extended Schelling models. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 013212.	2.3	4
24	Ising chain with random short- and long-range interactions. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 76-78.	2.3	3
25	Emergent dimerization and localization in disordered quantum chains. Physical Review B, 2018, 98, .	3.2	3
26	Real-space renormalization-group treatment of the Maier-Saupe-Zwanzig model for biaxial nematic structures. Physical Review E, 2021, 103, 032111.	2.1	3
27	One-dimensional Ising model with long-range and random short-range interactions. Journal of Magnetism and Magnetic Materials, 1999, 192, 177-190.	2.3	2
28	Some remarks on p-spin interaction models in a random field. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 76-82.	2.6	2
29	Phase diagrams of soluble multi-spin glass models. Physica A: Statistical Mechanics and Its Applications, 2006, 359, 469-477.	2.6	2
30	Fractal Analysis of Weld Defect Patterns Obtained by Radiographic Tests. AIP Conference Proceedings, 2007, , .	0.4	2
31	Microstructure identification via detrended fluctuation analysis of ultrasound signals. Physical Review E, 2013, 87, 043304.	2.1	2
32	Random isotropic one-dimensional XY-model. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 79-80.	2.3	1
33	Phase diagram of random lattice gases in the annealed limit. Journal of Chemical Physics, 1999, 110, 1235-1246.	3.0	1
34	The one-dimensional XXZ model with long-range interactions. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 601-602.	2.3	1
35	Phenomenological model for the remanent magnetization of dilute quasi-one-dimensional antiferromagnets. Physical Review B, 2002, 66, .	3.2	1
36	Simple models for relaxation in glass-forming systems. Journal of Non-Crystalline Solids, 2003, 329, 82-93.	3.1	1

#	Article	IF	Citations
37	Crossover from one- to three-dimensional behavior in theSâ€‰â€‰=â€‰â€‰1/2 Heisenberg antiferromagnet Cu(N2H5)2(SO4)2. Journal of Physics Condensed Matter, 2016, 28, 506004.	1.8	1
38	Mesoscopic approach to subcritical fatigue crack growth. Physical Review E, 2016, 94, 043003.	2.1	1
39	Magnetic Field and Dilution Effects on the Phase Diagrams of Simple Statistical Models for Nematic Biaxial Systems. Crystals, 2020, 10, 632.	2.2	1
40	Experimental and theoretical delimitation of the quasi-1D Tomonaga-Luttinger-liquid regime in a spin-1 field-induced antiferromagnet. Journal of Alloys and Compounds, 2021, 853, 157346.	5.5	1
41	Phase transitions in a conservative game of life. Physical Review E, 2021, 103, 012132.	2.1	1
42	Phase behavior of a lattice-gas model for biaxial nematics. Physical Review E, 2022, 105, 044705.	2.1	1
43	Controlled recovery of phylogenetic communities from an evolutionary model using a network approach. Physical Review E, 2016, 93, 042317.	2.1	0
44	THE DIELECTRIC LOSS FUNCTION AND THE SEARCH FOR SIMPLE MODELS FOR RELAXATION IN GLASS FORMERS. , 2005, , 193-198.		0