

# AndrÃ© P Vieira

## List of Publications by Year in descending order

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44  
papers

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citations

858243

12  
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843174

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45  
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45  
docs citations

45  
times ranked

368  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase behavior of a lattice-gas model for biaxial nematics. <i>Physical Review E</i> , 2022, 105, 044705.	0.8	1
2	Experimental and theoretical delimitation of the quasi-1D Tomonaga-Luttinger-liquid regime in a spin-1 field-induced antiferromagnet. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157346.	2.8	1
3	Phase transitions in a conservative game of life. <i>Physical Review E</i> , 2021, 103, 012132.	0.8	1
4	Real-space renormalization-group treatment of the Maier-Saupe-Zwanzig model for biaxial nematic structures. <i>Physical Review E</i> , 2021, 103, 032111.	0.8	3
5	Magnetic Field and Dilution Effects on the Phase Diagrams of Simple Statistical Models for Nematic Biaxial Systems. <i>Crystals</i> , 2020, 10, 632.	1.0	1
6	Dynamics of extended Schelling models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 013212.	0.9	4
7	Quantum coherence and criticality in irreversible work. <i>Physical Review Research</i> , 2020, 2, .	1.3	14
8	Percolation on an isotropically directed lattice. <i>Physical Review E</i> , 2018, 98, .	0.8	9
9	Emergent dimerization and localization in disordered quantum chains. <i>Physical Review B</i> , 2018, 98, .	1.1	3
10	Crossover from one- to three-dimensional behavior in the $S=1/2$ Heisenberg antiferromagnet $\text{Cu}(\text{N}_2\text{H}_5)_2(\text{SO}_4)_2$ . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 506004.	0.7	1
11	Keep-Left Behavior Induced by Asymmetrically Profiled Walls. <i>Physical Review X</i> , 2016, 6, .	2.8	14
12	Lattice Statistical Models for the Nematic Transitions in Liquid-Crystalline Systems. <i>Brazilian Journal of Physics</i> , 2016, 46, 664-671.	0.7	7
13	Controlled recovery of phylogenetic communities from an evolutionary model using a network approach. <i>Physical Review E</i> , 2016, 93, 042317.	0.8	0
14	Mesoscopic approach to subcritical fatigue crack growth. <i>Physical Review E</i> , 2016, 94, 043003.	0.8	1
15	Maier-Saupe model for a mixture of uniaxial and biaxial molecules. <i>Physical Review E</i> , 2015, 92, 062503.	0.8	12
16	Analytical and numerical studies of disordered spin-1 Heisenberg chains with aperiodic couplings. <i>Physical Review B</i> , 2014, 89, .	1.1	9
17	Microstructure identification via detrended fluctuation analysis of ultrasound signals. <i>Physical Review E</i> , 2013, 87, 043304.	0.8	2
18	Dynamics of snoring sounds and its connection with obstructive sleep apnea. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 271-277.	1.2	24

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19	Strong-disorder renormalization group study of aperiodic quantum Ising chains. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P03007.	0.9	8
20	Subcritical fatigue in fuse networks. Europhysics Letters, 2012, 100, 36006.	0.7	6
21	Protecting clean critical points by local disorder correlations. Europhysics Letters, 2011, 93, 30004.	0.7	31
22	Phase diagram of a model for a binary mixture of nematic molecules on a Bethe lattice. Physical Review E, 2011, 83, 011701.	0.8	12
23	Fluctuation Analyses for Pattern Classification in Nondestructive Materials Inspection. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.0	8
24	FRactal ANALYSIS OF METAL TRANSFER IN MIG-MAG WELDING. , 2009, , .		6
25	Applications of detrended-fluctuation analysis to gearbox fault diagnosis. Mechanical Systems and Signal Processing, 2009, 23, 682-689.	4.4	45
26	Characterization of welding defects by fractal analysis of ultrasonic signals. Chaos, Solitons and Fractals, 2008, 38, 748-754.	2.5	29
27	Subcritical Crack Growth: The Microscopic Origin of Paris Law. Physical Review Letters, 2008, 100, 195503.	2.9	16
28	Correlation amplitude and entanglement entropy in random spin chains. Physical Review B, 2007, 76, .	1.1	49
29	Analytical approach to directed sandpile models on the Apollonian network. Physical Review E, 2007, 76, 026111.	0.8	16
30	Fractal Analysis of Weld Defect Patterns Obtained by Radiographic Tests. AIP Conference Proceedings, 2007, , .	0.3	2
31	Phase diagrams of soluble multi-spin glass models. Physica A: Statistical Mechanics and Its Applications, 2006, 359, 469-477.	1.2	2
32	Low-Energy Properties of Aperiodic Quantum Spin Chains. Physical Review Letters, 2005, 94, 077201.	2.9	31
33	Aperiodic quantum XXZ chains: Renormalization-group results. Physical Review B, 2005, 71, .	1.1	24
34	THE DIELECTRIC LOSS FUNCTION AND THE SEARCH FOR SIMPLE MODELS FOR RELAXATION IN GLASS FORMERS. , 2005, , 193-198.		0
35	Some remarks on p-spin interaction models in a random field. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 76-82.	1.2	2
36	Simple models for relaxation in glass-forming systems. Journal of Non-Crystalline Solids, 2003, 329, 82-93.	1.5	1

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37	Phenomenological model for the remanent magnetization of dilute quasi-one-dimensional antiferromagnets. <i>Physical Review B</i> , 2002, 66, .	1.1	1
38	Correlated disordered interactions on Potts models. <i>Physical Review E</i> , 2002, 65, 046120.	0.8	4
39	The one-dimensional XXZ model with long-range interactions. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 601-602.	1.0	1
40	Phase diagram of a random-anisotropy mixed-spin Ising model. <i>Physical Review B</i> , 2001, 63, .	1.1	20
41	Phase diagram of random lattice gases in the annealed limit. <i>Journal of Chemical Physics</i> , 1999, 110, 1235-1246.	1.2	1
42	One-dimensional Ising model with long-range and random short-range interactions. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 192, 177-190.	1.0	2
43	Ising chain with random short- and long-range interactions. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 177-181, 76-78.	1.0	3
44	Random isotropic one-dimensional XY-model. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 177-181, 79-80.	1.0	1