

Tânia Tom[^]

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79
papers

1,723
citations

23
h-index

39
g-index

84
ext. papers

1,871
ext. citations

2.3
avg, IF

4.95
L-index

#	Paper	IF	Citations
79	Dynamic phase transition in the kinetic Ising model under a time-dependent oscillating field. <i>Physical Review A</i> , 1990 , 41, 4251-4254	2.6	258
78	Stochastic lattice gas model for a predator-prey system. <i>Physical Review E</i> , 1994 , 49, 5073-5079	2.4	125
77	Entropy production in nonequilibrium systems at stationary states. <i>Physical Review Letters</i> , 2012 , 108, 020601	7.4	99
76	Entropy production in irreversible systems described by a Fokker-Planck equation. <i>Physical Review E</i> , 2010 , 82, 021120	2.4	78
75	First-order phase transition in a one-dimensional nonequilibrium model. <i>Physical Review A</i> , 1991 , 44, 4833-4838	2.6	72
74	Entropy production in nonequilibrium systems described by a Fokker-Planck equation. <i>Brazilian Journal of Physics</i> , 2006 , 36, 1285-1289	1.2	69
73	Ziff-Gulari-Barshad model with CO desorption: An Ising-like nonequilibrium critical point. <i>Physical Review E</i> , 1993 , 47, 948-952	2.4	53
72	Stochastic approach to equilibrium and nonequilibrium thermodynamics. <i>Physical Review E</i> , 2015 , 91, 042140	2.4	52
71	Entropy production in the majority-vote model. <i>Physical Review E</i> , 2005 , 72, 057103	2.4	51
70	Self-organization in a kinetic Ising model. <i>Physical Review A</i> , 1989 , 40, 6643-6646	2.6	51
69	Short-time dynamics of critical nonequilibrium spin models. <i>Physical Review E</i> , 1998 , 58, 4242-4245	2.4	47
68	Critical behavior of the susceptible-infected-recovered model on a square lattice. <i>Physical Review E</i> , 2010 , 82, 051921	2.4	43
67	Sandpiles with height restrictions. <i>Physical Review E</i> , 2002 , 66, 016111	2.4	41
66	Non-equilibrium Ising model with competing Glauber dynamics. <i>Journal of Physics A</i> , 1991 , 24, 3677-3686		41
65	Stochastic lattice gas model describing the dynamics of the SIRS epidemic process. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010 , 389, 1142-1150	3.3	36
64	Stochastic Dynamics and Irreversibility. <i>Graduate Texts in Physics</i> , 2015 ,	0.3	35
63	Nonequilibrium model for the contact process in an ensemble of constant particle number. <i>Physical Review Letters</i> , 2001 , 86, 5643-6	7.4	35

62	The threshold of coexistence and critical behaviour of a predator-prey cellular automaton. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007 , 40, 887-900	2	27
61	Anisotropic random sequential adsorption of dimers on a square lattice. <i>Physical Review A</i> , 1992 , 46, 6294-6299	2.6	27
60	Entropy production in linear Langevin systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013 , 46, 395001	2	25
59	Susceptible-infected-recovered and susceptible-exposed-infected models. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011 , 44, 095005	2	24
58	Probabilistic cellular automaton describing a biological immune system. <i>Physical Review E</i> , 1996 , 53, 3976-3981	2.4	24
57	Universal behavior in an irreversible model with $C(3v)$ symmetry. <i>Physical Review E</i> , 1999 , 60, 3666-9	2.4	23
56	SELF-ORGANIZED PATTERNS OF COEXISTENCE OUT OF A PREDATOR-PREY CELLULAR AUTOMATON. <i>International Journal of Modern Physics C</i> , 2006 , 17, 1647-1662	1.1	21
55	Cumulants of the three-state Potts model and of nonequilibrium models with $C3v$ symmetry. <i>Journal of Physics A</i> , 2002 , 35, 5379-5390		21
54	Spreading of damage in the Domany-Kinzel cellular automaton: A mean-field approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1994 , 212, 99-109	3.3	21
53	Spatial instabilities and local oscillations in a lattice gas Lotka-Volterra model. <i>Journal of Mathematical Biology</i> , 1997 , 35, 344-358	2	19
52	Role of noise in population dynamics cycles. <i>Physical Review E</i> , 2009 , 79, 061128	2.4	17
51	Probability currents and entropy production in nonequilibrium lattice systems. <i>Physical Review E</i> , 2010 , 82, 011105	2.4	15
50	Glassy states in lattice models with many coexisting crystalline phases. <i>Europhysics Letters</i> , 2004 , 65, 20-26	1.6	15
49	Short Time Dynamics of an Irreversible Probabilistic Cellular Automaton. <i>Modern Physics Letters B</i> , 1998 , 12, 873-879	1.6	15
48	Stable oscillations of a predator-prey probabilistic cellular automaton: a mean-field approach. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007 , 40, 12901-12915	2	14
47	A new scale-invariant ratio and finite-size scaling for the stochastic susceptible-infected-recovered model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011 , 2011, P03006	1.9	13
46	Stationary distribution of finite-size systems with absorbing states. <i>Physical Review E</i> , 2005 , 72, 026130	2.4	12
45	Renormalization group of the Domany-Kinzel cellular automaton. <i>Physical Review E</i> , 1997 , 55, 4000-4004	2.4	11

44	Critical behavior of a probabilistic cellular automaton describing a biological system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998 , 255, 189-200	3.3	11
43	Time correlation function in systems with two coexisting biological species. <i>Physical Review E</i> , 2008 , 77, 061909	2.4	11
42	Stochastic dynamics of dengue epidemics. <i>Physical Review E</i> , 2013 , 87, 012709	2.4	10
41	PROBABILISTIC CELLULAR AUTOMATA DESCRIBING A BIOLOGICAL TWO-SPECIES SYSTEM. <i>Modern Physics Letters B</i> , 2004 , 18, 873-880	1.6	10
40	Crystal vs. glass formation in lattice models with many coexisting ordered phases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004 , 342, 97-103	3.3	10
39	Stochastic thermodynamics and entropy production of chemical reaction systems. <i>Journal of Chemical Physics</i> , 2018 , 148, 224104	3.9	9
38	Fluctuation-dissipation theorem and the linear Glauber model. <i>Physical Review E</i> , 2006 , 73, 056117	2.4	9
37	Modulated phases and chaotic behavior in a spin-1 Ising model with competing interactions. <i>Physical Review A</i> , 1989 , 39, 2206-2213	2.6	9
36	Susceptible-Infected-Recovered model with recurrent infection. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017 , 467, 21-29	3.3	8
35	Decay-kinetics study of atomic hydrogen in a-Si:(H,O,N) and natural beryl. <i>Physical Review B</i> , 1990 , 42, 5966-5972	3.3	8
34	CRITICAL BEHAVIOR AND THRESHOLD OF COEXISTENCE OF A PREDATOR-PREY STOCHASTIC MODEL IN A 2D LATTICE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010 , 20, 309-314	2	7
33	Irreversible stochastic dynamics with Potts symmetry. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998 , 257, 334-340	3.3	6
32	Polar semiconductors under continuous photoexcitation. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1987 , 144, 376-390		6
31	Stationary and dynamic critical behavior of the contact process on the Sierpinski carpet. <i>Physical Review E</i> , 2015 , 91, 052137	2.4	4
30	Critical properties of the susceptible-exposed-infected model on a square lattice. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015 , 2015, P04014	1.9	4
29	SHORT TIME CORRELATIONS IN A TWO-DIMENSIONAL ISING MODEL WITH A LINE OF DEFECTS. <i>Modern Physics Letters B</i> , 2001 , 15, 1141-1146	1.6	4
28	Short-time behavior and universality in irreversible models. <i>Brazilian Journal of Physics</i> , 2000 , 30, 152-156.2		4
27	CRITICAL BEHAVIOR OF A FOUR-STATE IRREVERSIBLE MODEL WITH POTTS SYMMETRY. <i>Modern Physics Letters B</i> , 1999 , 13, 471-477	1.6	4

26	Inhomogeneous random sequential adsorption on bipartite lattices. <i>Physical Review E</i> , 1994 , 50, 4523-4527	2.7	4
25	Stochastic Approach to Epidemic Spreading. <i>Brazilian Journal of Physics</i> , 2020 , 50, 832-843	1.2	4
24	Critical behavior in lattice models with two symmetric absorbing states. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015 , 2015, P01035	1.9	3
23	Aging and fluctuation-dissipation ratio in a nonequilibrium q-state lattice model. <i>Physical Review E</i> , 2010 , 82, 011133	2.4	3
22	Joint Evolution of Two Domany-Kinzel Cellular Automata. <i>International Journal of Modern Physics B</i> , 1997 , 11, 1245-1255	1.1	3
21	Reaction-diffusion stochastic lattice model for a predator-prey system. <i>Brazilian Journal of Physics</i> , 2008 , 38,	1.2	3
20	Mario Schüßberg e a introduçã do espaç de Fock na fíica estatística clássica. <i>Revista Brasileira De Ensino De Fisica</i> , 2005 , 27, 447-462	0.4	3
19	Symmetry and universality in nonequilibrium models. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000 , 283, 107-112	3.3	3
18	Stochastic mechanics of nonequilibrium systems. <i>Brazilian Journal of Physics</i> , 1997 , 27, 525-532	1.2	3
17	Stochastic spatial structured model for vertically and horizontally transmitted infection. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017 , 468, 131-138	3.3	2
16	Analysis of earlier times and flux of entropy on the majority voter model with diffusion. <i>Physical Review E</i> , 2020 , 101, 012130	2.4	2
15	Entropy production in a Glauber-İng irreversible model with dynamical competition. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018 , 2018, 063202	1.9	2
14	Exact correlation functions in particle-reaction models with immobile particles. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012 , 2012, P11006	1.9	2
13	The stochastic nature of predator-prey cycles. <i>Computer Physics Communications</i> , 2009 , 180, 536-539	4.2	2
12	Aging and stationary properties of non-equilibrium symmetrical three-state models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011 , 2011, P02018	1.9	2
11	Nonclassical critical exponents out of mean-field results. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998 , 260, 99-105	3.3	2
10	Conservative ensembles for nonequilibrium lattice-gas systems. <i>European Physical Journal B</i> , 2008 , 64, 409-414	1.2	2
9	Steady state of photoexcited plasma in semiconductors. <i>Solid State Communications</i> , 1986 , 59, 661-663	1.6	2

8	Complete devil's staircase in an Ising model with competing interactions. <i>Journal of Physics A</i> , 1988 , 21, L311-L314		2
7	The critical behavior of the entropy production in irreversible models with $C_{3\nu}$ symmetry. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019 , 52, 385002	2	1
6	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	1.9	1
5	Entropy production for asymmetric diffusion of particles. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015 , 2015, P12004	1.9	1
4	Chiral-symmetry-breaking in nonequilibrium chemical systems: The racemization influence. <i>Origins of Life and Evolution of Biospheres</i> , 1993 , 23, 125-136	1.5	1
3	Epidemic spreading. <i>Revista Brasileira De Ensino De Fisica</i> , 42,	0.4	1
2	Effect of Immunization Through Vaccination on Deterministic Models for Epidemic Spreading. <i>Brazilian Journal of Physics</i> , 1	1.2	1
1	Stochastic dynamics for two biological species and ecological niches. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 489, 56-64	3.3	