

Prabodh R Shukla

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Critical hysteresis on dilute triangular lattice. Physical Review E, 2019, 99, 062136.	0.8	3
2	Surprising variants of Cauchy's formula for mean chord length. Physical Review E, 2019, 100, 050103.	0.8	1
3	Hysteresis in the zero-temperature random-field Ising model on directed random graphs. Physical Review E, 2018, 98, .	0.8	8
4	Hysteresis in the Ising model with Glauber dynamics. Physical Review E, 2018, 97, 062127.	0.8	3
5	Criteria for infinite avalanches in the zero-temperature nonequilibrium random-field Ising model on a Bethe lattice. Physical Review E, 2017, 95, 042109.	0.8	7
6	Hysteresis in random-field Ising model on a Bethe lattice with a mixed coordination number. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 235001.	0.7	15
7	Nonequilibrium random-field Ising model on a diluted triangular lattice. Physical Review E, 2015, 91, 012131.	0.8	10
8	Effect of coordination number on the nonequilibrium critical point. Physical Review E, 2013, 88, 042138.	0.8	10
9	Analysis of wasp-waisted hysteresis loops in magnetic rocks. Physical Review E, 2012, 85, 011124.	0.8	11
10	Domains and Interfaces in Random Fields. Texts and Readings in Physical Sciences, 2012, , 141-158.	0.2	1
11	Critical hysteresis in random-field XY and Heisenberg models. Physical Review E, 2011, 83, 011121.	0.8	12
12	Hysteresis in the antiferromagnetic random-field Ising model at zero temperature. Physical Review E, 2011, 83, 061136.	0.8	5
13	Hysteresis in random-field XY and Heisenberg models: Mean-field theory and simulations at zero temperature. Physical Review E, 2010, 81, 031106.	0.8	6
14	Dynamics of bootstrap percolation. Pramana - Journal of Physics, 2008, 71, 319-329.	0.9	6
15	Dynamics of core percolation. Journal of Physics A: Mathematical and Theoretical, 2007, 40, F581-F587.	0.7	13
16	Zero-temperature hysteresis in a random-field Ising model on a Bethe lattice: Approach to mean-field behavior with increasing coordination number. Physical Review B, 2006, 73, .	1.1	12
17	Magnetization-driven random-field Ising model at $T=0$. Physical Review B, 2006, 74, .	1.1	13
18	Voter dynamics on an Ising ladder: coarsening and persistence. Journal of Physics A, 2005, 38, 5441-5451.	1.6	5

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19	DRIVEN RANDOM FIELD ISING MODEL: SOME EXACTLY SOLVED EXAMPLES IN THRESHOLD ACTIVATED KINETICS. International Journal of Modern Physics B, 2003, 17, 5583-5595.	1.0	7
20	Hysteresis in the Random-Field Ising Model and Bootstrap Percolation. Physical Review Letters, 2002, 88, 197202.	2.9	50
21	Exact expressions for minor hysteresis loops in the random field Ising model on a Bethe lattice at zero temperature. Physical Review E, 2001, 63, 027102.	0.8	25
22	Hysteretic response of an anti-ferromagnetic random-field Ising model in one dimension at zero temperature. Physica A: Statistical Mechanics and Its Applications, 2000, 275, 380-395.	1.2	8
23	Hysteresis in one-dimensional anti-ferromagnetic random-field Ising model at zero-temperature. Physica A: Statistical Mechanics and Its Applications, 2000, 276, 365-375.	1.2	6
24	Title is missing!. Journal of Statistical Physics, 2000, 98, 103-129.	0.5	39
25	Exact solution of return hysteresis loops in a one-dimensional random-field Ising model at zero temperature. Physical Review E, 2000, 62, 4725-4729.	0.8	22
26	Response of the Hopfield-Little model in an applied field. Physical Review E, 1997, 56, 2265-2268.	0.8	3
27	Zero-temperature hysteresis in the random-field Ising model on a Bethe lattice. Journal of Physics A, 1997, 30, 5259-5267.	1.6	106
28	Exact solution of zero-temperature hysteresis in a ferromagnetic Ising chain with quenched random fields. Physica A: Statistical Mechanics and Its Applications, 1996, 233, 235-241.	1.2	25
29	Zero-temperature hysteresis in an anti-ferromagnetic Ising chain with quenched random fields. Physica A: Statistical Mechanics and Its Applications, 1996, 233, 242-252.	1.2	10
30	Level spacing functions and the connection problem of a fifth Painleve transcendent. Journal of Physics A, 1995, 28, 3177-3195.	1.6	3
31	Hysteresis in neural networks. Physical Review E, 1994, 49, R4811-R4814.	0.8	3
32	Theory of the dynamics of the Hopfield model of associative memory. Journal of Statistical Physics, 1993, 71, 705-717.	0.5	8
33	Learning from examples in feedforward Boolean networks. Physical Review E, 1993, 47, 2962-2965.	0.8	0
34	Behavior of a neural network with three-spin interactions. Physical Review A, 1990, 42, 5006-5010.	1.0	3
35	The minimum gap on diluted Cayley trees. Journal of Physics A, 1986, 19, 3903-3916.	1.6	16
36	Renormalisation group study of a lattice model of the isotropic-nematic transition. Journal of Physics A, 1985, 18, 93-100.	1.6	12

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37	Two-dimensional neutral Coulomb gas. <i>Journal of Physics A</i> , 1985, 18, 2087-2094.	1.6	2
38	Renormalisation group study of liquid crystalline order in two dimensions. <i>Journal of Physics A</i> , 1985, 18, L815-L820.	1.6	1
39	Comment on "Supersymmetric Phase Transition". <i>Physical Review Letters</i> , 1984, 52, 236-236.	2.9	1
40	Model of the glass transition and the glassy state. <i>European Physical Journal B</i> , 1983, 52, 179-184.	0.6	1
41	Molecular field theory of nematics: density functional approach. I. Bulk effects. <i>Journal of Physics A</i> , 1983, 16, 1539-1553.	1.6	77
42	A quantum spherical model of spin glass. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1981, 81, 477-479.	0.9	18
43	Classical and quantum spherical models of spin-glasses: A complete treatment of statistics and dynamics. <i>Physical Review B</i> , 1981, 23, 4661-4666.	1.1	13
44	Spin glass dynamics in the spherical model. <i>Journal of Physics C: Solid State Physics</i> , 1981, 14, L81-L84.	1.5	10
45	Spin-glass behavior in iron-aluminum alloys: A microscopic model. <i>Physical Review B</i> , 1980, 21, 159-164.	1.1	88
46	Theory of neutron scattering by excitons. <i>Journal of Physics C: Solid State Physics</i> , 1979, 12, 5463-5469.	1.5	4
47	Random spin system in the Bethe-Peierls-Weiss approximation. <i>Journal of Applied Physics</i> , 1979, 50, 1723-1725.	1.1	0
48	Spin glasses in the Bethe-Peierls-Weiss and other mean-field approximations. <i>Physical Review B</i> , 1979, 19, 1492-1502.	1.1	81
49	Percolation in three-dimensional random X-Y model. <i>Journal of Physics C: Solid State Physics</i> , 1978, 11, L621-L623.	1.5	3
50	Position-space renormalization-group study of continuous-spin systems. <i>Physical Review B</i> , 1978, 18, 5112-5115.	1.1	7
51	Renormalisation group analysis of random n-vector model. II. Crossover behaviour. <i>Journal of Physics C: Solid State Physics</i> , 1977, 10, 2999-3007.	1.5	0
52	Renormalisation group analysis of random n-vector model. I. Smooth cut-off renormalisation group equations. <i>Journal of Physics C: Solid State Physics</i> , 1977, 10, 2985-2998.	1.5	1
53	Universality of the Exponent ν to Order μ^2 for a Class of Renormalization Groups. <i>Physical Review Letters</i> , 1975, 34, 436-438.	2.9	19
54	μ -Expansion Solution of Wilson's Incomplete-Integration Renormalization-Group Equations. <i>Physical Review Letters</i> , 1974, 33, 1263-1265.	2.9	15