Marco Pretti

List of Publications by Year in descending order

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46 papers	508 citations	777949 13 h-index	799663 21 g-index
46 all docs	46 docs citations	46 times ranked	358 citing authors

#	Article	IF	Citations
1	Unbalanced Langmuir kinetics affects TASEP dynamical transitions: mean-field theory. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 345001.	0.7	8
2	Dynamical Transitions in a One-Dimensional Katzâ€“Lebowitzâ€“Spohn Model. Entropy, 2019, 21, 1028.	1.1	4
3	Dynamical transition in the TASEP with Langmuir kinetics: mean-field theory. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 045001.	0.7	7
4	Dynamical transitions in a driven diffusive model with interactions. Europhysics Letters, 2018, 124, 50004.	0.7	5
5	Design and implementation of a belief-propagation scheduler for multicast traffic in input-queued switches. Computer Communications, 2017, 103, 141-152.	3.1	1
6	Polymer models with competing collapse interactions on Husimi and Bethe lattices. Physical Review E, 2016, 93, 032110.	0.8	6
7	Lowering the error floor of Gallager codes: a statistical-mechanical view. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P10042.	0.9	0
8	Belief-Propagation-Assisted Scheduling in Input-Queued Switches. IEEE Transactions on Computers, 2013, 62, 2101-2107.	2.4	7
9	A belief-propagation approach for multicast scheduling in input-queued switches. , 2013, , .		3
10	Chemically controlled unfolding of a RNA-like polymer model. Physical Review E, 2012, 86, 041913.	0.8	0
11	Palette-colouring: a belief propagation approach. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P05010.	0.9	3
12	A discrete model of water with two distinct glassy phases. Europhysics Letters, 2010, 92, 46008.	0.7	2
13	Belief-Propagation Assisted Scheduling in Input-Queued Switches. , 2010, , .		4
14	Revisiting waterlike network-forming lattice models. Journal of Chemical Physics, 2009, 131, 224508.	1.2	8
15	Computational protein design with sideâ€chain conformational entropy. Proteins: Structure, Function and Bioinformatics, 2009, 74, 176-191.	1.5	23
16	Cluster-variation approximation for a network-forming lattice-fluid model. Journal of Chemical Physics, 2008, 129, 024506.	1.2	24
17	Low-temperature-induced swelling of a hydrophobic polymer: A lattice approach. Journal of Chemical Physics, 2007, 126, 074904.	1.2	2
18	Exact solution of a RNA-like polymer model on the Husimi lattice. Journal of Chemical Physics, 2007, 127, 184902.	1.2	17

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19	Alternative Variational Approach to Cactus Lattices. Journal of Statistical Physics, 2007, 127, 1237-1253.	0.5	3
20	RNA-like model on the Husimi lattice. Physica A: Statistical Mechanics and Its Applications, 2006, 371, 88-91.	1.2	4
21	Sudden emergence of q -regular subgraphs in random graphs. Europhysics Letters, 2006, 75, 8-14.	0.7	13
22	RNA-like polymer model: Exact calculation on the Bethe lattice. Physical Review E, 2006, 74, 051803.	0.8	6
23	On the Convergence of Kikuchiâ€™s Natural Iteration Method. Journal of Statistical Physics, 2005, 119, 659-675.	0.5	9
24	A message-passing algorithm with damping. Journal of Statistical Mechanics: Theory and Experiment, 2005, 2005, P11008-P11008.	0.9	78
25	Thermodynamic anomalies in a lattice model of water: Solvation properties. Journal of Chemical Physics, 2005, 123, 024506.	1.2	8
26	Hydration of an apolar solute in a two-dimensional waterlike lattice fluid. Physical Review E, 2005, 71, 051502.	0.8	5
27	Two-dimensional lattice-fluid model with waterlike anomalies. Physical Review E, 2004, 69, 061502.	0.8	23
28	Thermodynamic anomalies in a lattice model of water. Journal of Chemical Physics, 2004, 121, 11856-11866.	1.2	27
29	A Note on Cactus Trees: Variational vs. Recursive Approach. Journal of Statistical Physics, 2003, 111, 993-1015.	0.5	53
30	Hydrophobic effect in a lattice model of aqueous solutions. Journal of Chemical Physics, 2003, 119, 3791-3799.	1.2	14
31	Polymer Solution Model with Anisotropic Phase. Molecular Crystals and Liquid Crystals, 2003, 398, 23-32.	0.4	3
32	Stable propagation algorithm for the minimization of the Bethe free energy. Journal of Physics A, 2003, 36, 11201-11211.	1.6	7
33	Comment on â€œNature of the Collapse Transition for Polymersâ€. Physical Review Letters, 2002, 89, 169601; author reply 169602.	2.9	12
34	Semiflexible polymer in the cactus approximation. Physical Review E, 2002, 66, 061802.	0.8	14
35	Tilting and Swiveling Transitions in a Molecular Model for Langmuir Monolayers. Molecular Crystals and Liquid Crystals, 2002, 372, 179-187.	0.4	0
36	Lattice polymers with hydrogen bondlike interactions. Journal of Chemical Physics, 2002, 117, 10360-10369.	1.2	13

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37	Bethe approximation for a hydrophobic-polar random copolymer. Physical Review E, 2002, 66, 031803.	0.8	5
38	Lattice model for polymer hydration: collapse of poly(N-isopropylacrylamide). Macromolecular Symposia, 2002, 181, 261-274.	0.4	16
39	Accurate results for Ising models from large order cluster variation method. AIP Conference Proceedings, 2001, , .	0.3	0
40	Heterochirality in Langmuir monolayers and antiferromagnetic Blumeâ€“Emeryâ€“Griffiths model. Journal of Chemical Physics, 2000, 112, 8126-8136.	1.2	11
41	A microemulsion model on sc, bcc and fcc lattices: Ground state properties. Journal of Chemical Physics, 2000, 113, 11364-11371.	1.2	1
42	Herringbone ordering and lattice distortions in a planar-molecule model for Langmuir monolayers. Physical Review E, 2000, 62, 5230-5241.	0.8	0
43	Properties of some mean-field-like approximations for the triangular Ising antiferromagnet. Physical Review B, 1999, 60, 10134-10144.	1.1	22
44	Phase behavior of an asymmetric vector lattice model for oil-water-amphiphile mixtures. Journal of Chemical Physics, 1999, 111, 7624-7635.	1.2	1
45	Partial integration and local mean field approach for a vector lattice model of microemulsions: unbalanced case. Physica A: Statistical Mechanics and Its Applications, 1999, 262, 280-293.	1.2	2
46	Cluster variation approach to the Ising square lattice with two- and four-spin interactions. Physical Review B, 1997, 56, 636-644.	1.1	34