

# Nikolaos G Fytas

## List of Publications by Citations

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69  
papers

972  
citations

17  
h-index

27  
g-index

74  
ext. papers

1,092  
ext. citations

2.3  
avg, IF

4.7  
L-index

#	Paper	IF	Citations
69	Universality in the three-dimensional random-field Ising model. <i>Physical Review Letters</i> , <b>2013</b> , 110, 227201	7.4	76
68	Lack of self-averaging of the specific heat in the three-dimensional random-field Ising model. <i>Physical Review E</i> , <b>2006</b> , 73, 016109	2.4	57
67	Strong violation of critical phenomena universality: Wang-Landau study of the two-dimensional Blume-Capel model under bond randomness. <i>Physical Review E</i> , <b>2009</b> , 79, 011125	2.4	51
66	Multicritical points and crossover mediating the strong violation of universality: Wang-Landau determinations in the random-bond $d=2$ Blume-Capel model. <i>Physical Review E</i> , <b>2010</b> , 81, 041113	2.4	48
65	Estimation of critical behavior from the density of states in classical statistical models. <i>Physical Review E</i> , <b>2004</b> , 70, 066128	2.4	42
64	Entropic sampling via Wang-Landau random walks in dominant energy subspaces. <i>Physical Review E</i> , <b>2005</b> , 72, 066120	2.4	37
63	Phase Transitions in Disordered Systems: The Example of the Random-Field Ising Model in Four Dimensions. <i>Physical Review Letters</i> , <b>2016</b> , 116, 227201	7.4	34
62	First-order transition features of the 3D bimodal random-field Ising model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2008</b> , 2008, P03015	1.9	34
61	Restoration of dimensional reduction in the random-field Ising model at five dimensions. <i>Physical Review E</i> , <b>2017</b> , 95, 042117	2.4	29
60	Phase diagram of the 3D bimodal random-field Ising model. <i>European Physical Journal B</i> , <b>2008</b> , 61, 111-120	2.0	28
59	Monte Carlo study of the triangular Blume-Capel model under bond randomness. <i>Physical Review E</i> , <b>2012</b> , 86, 011140	2.4	24
58	Universality aspects of the $d = 3$ random-bond Blume-Capel model. <i>Physical Review E</i> , <b>2012</b> , 85, 061106	2.4	24
57	Efficient numerical methods for the random-field Ising model: Finite-size scaling, reweighting extrapolation, and computation of response functions. <i>Physical Review E</i> , <b>2016</b> , 93, 063308	2.4	21
56	Quenched bond randomness in marginal and non-marginal Ising spin models in 2D. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2008</b> , 2008, P11009	1.9	21
55	Scaling and universality in the phase diagram of the 2D Blume-Capel model. <i>European Physical Journal: Special Topics</i> , <b>2017</b> , 226, 789-804	2.3	20
54	Evidence for Supersymmetry in the Random-Field Ising Model at $D=5$ . <i>Physical Review Letters</i> , <b>2019</b> , 122, 240603	7.4	19
53	Review of Recent Developments in the Random-Field Ising Model. <i>Journal of Statistical Physics</i> , <b>2018</b> , 172, 665-672	1.5	19

52	Self-assembly of DNA-functionalized colloids. <i>Condensed Matter Physics</i> , <b>2015</b> , 22801	1.3	17
51	Parallel multicanonical study of the three-dimensional Blume-Capel model. <i>Physical Review E</i> , <b>2015</b> , 91, 032126	2.4	16
50	Universality from disorder in the random-bond Blume-Capel model. <i>Physical Review E</i> , <b>2018</b> , 97, 040102	2.4	16
49	Molecular dynamics simulations of single-component bottle-brush polymers with flexible backbones under poor solvent conditions. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 285105	1.8	16
48	Wetting and interfacial adsorption in the Blume-Capel model on the square lattice. <i>European Physical Journal B</i> , <b>2013</b> , 86, 1	1.2	16
47	Critical behavior of the pure and random-bond two-dimensional triangular Ising ferromagnet. <i>Physical Review E</i> , <b>2010</b> , 81, 041109	2.4	16
46	Universality in disordered systems: the case of the three-dimensional random-bond Ising model. <i>Physical Review E</i> , <b>2010</b> , 82, 062101	2.4	15
45	First-order transition features of the triangular Ising model with nearest- and next-nearest-neighbor antiferromagnetic interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2007</b> , 383, 351-371	3.3	14
44	Critical Binder cumulant and universality: Fortuin-Kasteleyn clusters and order-parameter fluctuations. <i>Physical Review E</i> , <b>2014</b> , 89, 042103	2.4	13
43	Wang-Landau study of the triangular Blume-Capel ferromagnet. <i>European Physical Journal B</i> , <b>2011</b> , 79, 21-28	1.2	13
42	Molecular Dynamics Simulations of Bottle-Brush Polymers with a Flexible Backbone under Theta and Good Solvent Conditions. <i>American Journal of Condensed Matter Physics</i> , <b>2012</b> , 2, 101-108		13
41	Microphase separation in linear multiblock copolymers under poor solvent conditions. <i>Soft Matter</i> , <b>2011</b> , 7, 1038-1044	3.6	12
40	Dynamic phase transition of the Blume-Capel model in an oscillating magnetic field. <i>Physical Review E</i> , <b>2018</b> , 97, 012122	2.4	11
39	Universality aspects of the trimodal random-field Ising model. <i>European Physical Journal B</i> , <b>2012</b> , 85, 1	1.2	11
38	Scaling and self-averaging in the three-dimensional random-field Ising model. <i>European Physical Journal B</i> , <b>2011</b> , 79, 13-20	1.2	10
37	Magnetic-field dependence of transport in normal and Andreev billiards: A classical interpretation of the averaged quantum behavior. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	10
36	Phase behavior of symmetric linear multiblock copolymers. <i>Europhysics Letters</i> , <b>2011</b> , 93, 43001	1.6	9
35	Criticality in the randomness-induced second-order phase transition of the triangular Ising antiferromagnet with nearest- and next-nearest-neighbor interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2009</b> , 388, 4950-4958	3.3	9

34	A study for the static properties of symmetric linear multiblock copolymers under poor solvent conditions. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 094902	3.9	9
33	Universal features and tail analysis of the order-parameter distribution of the two-dimensional Ising model: an entropic sampling Monte Carlo study. <i>Physical Review E</i> , <b>2006</b> , 73, 056114	2.4	9
32	Critical aspects of the random-field Ising model. <i>European Physical Journal B</i> , <b>2013</b> , 86, 1	1.2	8
31	Fragmentation of fractal random structures. <i>Physical Review Letters</i> , <b>2015</b> , 114, 115701	7.4	8
30	Fluctuations and criticality in the random-field Ising model. <i>Physical Review E</i> , <b>2013</b> , 87,	2.4	8
29	Wang-Landau study of the 3D Ising model with bond disorder. <i>European Physical Journal B</i> , <b>2011</b> , 81, 245-251	1.2	8
28	Wang-Landau study of the random bond square Ising model with nearest- and next-nearest-neighbor interactions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2008</b> , 2008, L07001	1.9	8
27	Universality aspects of the 2d random-bond Ising and 3d Blume-Capel models. <i>European Physical Journal B</i> , <b>2013</b> , 86, 1	1.2	7
26	Analysis of the static properties of cluster formations in symmetric linear multiblock copolymers. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 235106	1.8	7
25	A new comprehensive study of the 3D random-field Ising model via sampling the density of states in dominant energy subspaces. <i>European Physical Journal B</i> , <b>2006</b> , 50, 39-43	1.2	7
24	Random-field Ising model: Insight from zero-temperature simulations. <i>Condensed Matter Physics</i> , <b>2014</b> , 17, 43003	1.3	7
23	Interfacial adsorption in Potts models on the square lattice. <i>European Physical Journal B</i> , <b>2015</b> , 88, 1	1.2	6
22	Ising universality in the two-dimensional Blume-Capel model with quenched random crystal field. <i>Physical Review E</i> , <b>2020</b> , 102, 062138	2.4	6
21	Dynamic phase transitions in the presence of quenched randomness. <i>Physical Review E</i> , <b>2018</b> , 97, 062146	2.4	6
20	Light scattering by a metallic nanoparticle coated with a nematic liquid crystal. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2013</b> , 210, 335-340	1.6	5
19	Thermal critical behavior and universality aspects of the three-dimensional random-field Ising model. <i>European Physical Journal B</i> , <b>2006</b> , 51, 257-266	1.2	5
18	Bridges in the random-cluster model. <i>Nuclear Physics B</i> , <b>2016</b> , 903, 19-50	2.8	4
17	Phase behaviour of two-component bottle-brush polymers with flexible backbones under poor solvent conditions. <i>Materials Research Express</i> , <b>2014</b> , 1, 015301	1.7	4

16	Mixing-demixing transition in polymer-grafted spherical nanoparticles. <i>Soft Matter</i> , <b>2020</b> , 16, 703-708	3.6	4
15	Interfacial adsorption in two-dimensional pure and random-bond Potts models. <i>Physical Review E</i> , <b>2017</b> , 95, 032126	2.4	3
14	Universality in four-dimensional random-field magnets. <i>European Physical Journal B</i> , <b>2015</b> , 88, 1	1.2	3
13	Revisiting the scaling of the specific heat of the three-dimensional random-field Ising model. <i>European Physical Journal B</i> , <b>2016</b> , 89, 1	1.2	3
12	Monte Carlo study of the interfacial adsorption of the Blume-Capel model. <i>Physical Review E</i> , <b>2019</b> , 99, 012111	2.4	3
11	Critical aspects of three-dimensional anisotropic spin-glass models. <i>European Physical Journal B</i> , <b>2015</b> , 88, 1	1.2	2
10	Quantum Monte Carlo simulations revisited: The case of anisotropic Heisenberg chains. <i>Philosophical Magazine</i> , <b>2012</b> , 92, 4649-4656	1.6	2
9	Uncovering the secrets of the 2D random-bond Blume-Capel model. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2010</b> , 389, 2930-2933	3.3	2
8	Monte Carlo study of the two-dimensional kinetic Blume-Capel model in a quenched random crystal field. <i>Physical Review E</i> , <b>2021</b> , 104, 024108	2.4	2
7	Metastable behavior of the spin- $s$ Ising and Blume-Capel ferromagnets: A Monte Carlo study. <i>Physical Review E</i> , <b>2021</b> , 104, 014107	2.4	1
6	Efficient algorithms for computing ground states of the 2D random-field Ising model. <i>Journal of Physics: Conference Series</i> , <b>2022</b> , 2207, 012009	0.3	0
5	Geometry effects in the magnetoconductance of normal and Andreev Sinai billiards. <i>European Physical Journal B</i> , <b>2016</b> , 89, 1	1.2	
4	Wang-Landau study of the 2d random-bond Blume-Capel model. <i>Physics Procedia</i> , <b>2010</b> , 3, 1443-1446		
3	The CrMES scheme as an alternative to importance sampling: The tail regime of the order-parameter distribution. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2006</b> , 365, 197-202	3.3	
2	Connectivity properties of the random-cluster model. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 681, 012014	0.3	
1	Multicanonical simulations of the 2D spin-1 Baxter-Wu model in a crystal field. <i>Journal of Physics: Conference Series</i> , <b>2022</b> , 2207, 012008	0.3	