

# Bongsoo Kim

## List of Publications by Year in descending order

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44  
papers

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citations

840776

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44  
docs citations

44  
times ranked

240  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonequilibrium kinetics of excess defect generation and dynamic scaling in the Ising spin chain under slow cooling. <i>Physical Review E</i> , 2020, 102, 012114.	2.1	4
2	Dynamics of a noninteracting colloidal fluid in a quenched Gaussian random potential: a time-reversal-symmetry-preserving field-theoretic approach. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 023301.	2.3	4
3	Growth kinetics of the two-dimensional Ising model with finite cooling rates. <i>Physical Review E</i> , 2019, 99, 022113.	2.1	6
4	Multi-scale dynamics simulation of protein based on the generalized Langevin equation combined with 3D-RISM theory. <i>Journal of Molecular Liquids</i> , 2016, 217, 23-28.	4.9	7
5	Theory of Molecular Recognition and Structural Fluctuation of Biomolecules. , 2016, , 163-181.		0
6	Brownian dynamics: From glassy to trivial. <i>Physical Review E</i> , 2015, 91, 022130.	2.1	8
7	Equilibrium dynamics of the Dean-Kawasaki equation: Mode-coupling theory and its extension. <i>Physical Review E</i> , 2014, 89, 012150.	2.1	29
8	Nonequilibrium critical dynamics of two dimensional interacting monomer-dimer model: non-Ising criticality. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P08011.	2.3	0
9	Structural fluctuation of protein in water around its native state: A new statistical mechanics formulation. <i>Journal of Chemical Physics</i> , 2013, 138, 054108.	3.0	24
10	Slow Dynamics in the Relaxation of an Irrationally Frustrated XY Model in Two Dimensions: Analogy to Supercooled Liquids. <i>Progress of Theoretical Physics Supplement</i> , 2013, 126, 349-354.	0.1	0
11	Transition by breaking of analyticity in the ground state of Josephson junction arrays as a static signature of the vortex jamming transition. <i>Physical Review E</i> , 2012, 85, 051132.	2.1	0
12	Coarsening of two-dimensional XY model with Hamiltonian dynamics: logarithmically divergent vortex mobility. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P11023.	2.3	4
13	Sliding of a vortex solid with self-generated randomness in a frustrated Josephson junction array. <i>Journal of Physics: Conference Series</i> , 2011, 320, 012024.	0.4	0
14	Double transitions, non-Ising criticality and the critical absorbing phase in an interacting monomer-dimer model on a square lattice. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, L06001.	2.3	1
15	Coarsening kinetics of a two-dimensional $O(2)$ Ginzburg-Landau model: the effect of reversible mode coupling. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P03013.	2.3	6
16	Vortex Solid Phase with Frozen Undulations in Superconducting Josephson-Junction Arrays in External Magnetic Fields. <i>Physical Review Letters</i> , 2010, 105, 257004.	7.8	4
17	From the Frenkel-Kontorova Model to Josephson Junction Arrays. <i>Progress of Theoretical Physics Supplement</i> , 2010, 184, 153-171.	0.1	7
18	Coarsening of a nonequilibrium kinetic Ising chain with absorbing transitions: spatial correlation of the order parameters and their dynamic scalings. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P08013.	2.3	1

#	ARTICLE	IF	CITATIONS
19	Coarsening dynamics of an antiferromagnetic XY model on the kagome lattice: Breakdown of critical dynamic scaling. <i>Physical Review B</i> , 2009, 79, .	3.2	0
20	An FDR-Consistent Field Theory for the Stochastic Dynamic Density Functional Model. <i>Progress of Theoretical Physics Supplement</i> , 2009, 178, 123-132.	0.1	1
21	Vortex jamming in superconductors and granular rheology. <i>New Journal of Physics</i> , 2009, 11, 013010.	2.9	11
22	A fluctuation-dissipation relationship-preserving field theory for interacting Brownian particles: one-loop theory and mode coupling theory. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008, 2008, P02004.	2.3	21
23	Nonequilibrium critical relaxation of the order parameter and energy in the two-dimensional ferromagnetic Potts model. <i>Physical Review E</i> , 2008, 77, 056104.	2.1	11
24	Relaxation dynamics and interrupted coarsening in irrationally frustrated superconducting arrays. <i>Physical Review B</i> , 2008, 78, .	3.2	0
25	A FDR-Preserving Field Theory for Interacting Brownian Particles: One-Loop Theory and MCT. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	1
26	Fluctuating Nonlinear Hydrodynamics, Dense Fluids, and the Glass Transition. <i>Advances in Chemical Physics</i> , 2007, , 129-170.	0.3	47
27	The mode coupling theory in the FDR-preserving field theory of interacting Brownian particles. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, F33-F42.	2.1	33
28	Nonequilibrium relaxations within the ground-state manifold in the antiferromagnetic Ising model on a triangular lattice. <i>Physical Review E</i> , 2007, 75, 021106.	2.1	5
29	Equilibrium Dynamics of the Toy Model of Dense Fluid: The Infinite Damping Limit. <i>Journal of Physical Chemistry B</i> , 2005, 109, 21389-21398.	2.6	0
30	Nonequilibrium critical dynamics of the triangular antiferromagnetic Ising model. <i>Physical Review E</i> , 2003, 68, 066127.	2.1	24
31	Optical Conductivity in a Two Dimensional Quantum Well System with Impurity Scattering. <i>Journal of the Physical Society of Japan</i> , 2002, 71, 2980-2982.	1.6	0
32	Kinetically driven glassy transition in an exactly solvable toy model with a reversible mode coupling mechanism and trivial statics. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 1627-1636.	1.8	4
33	A dynamic mean-field glass model with reversible mode coupling and a trivial Hamiltonian. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 2265-2273.	1.8	13
34	Infinite ground state degeneracy and glassy dynamics in the frustrated XY model and lattice Coulomb gas with. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 315, 314-320.	2.6	7
35	Out of Equilibrium Dynamics of the Toy Model with Mode Coupling and Trivial Hamiltonian. <i>Journal of Statistical Physics</i> , 2002, 109, 591-606.	1.2	2
36	Patterns of Striped Order in the Classical Lattice Coulomb Gas. <i>Physical Review Letters</i> , 2001, 88, 025701.	7.8	23

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37	Exactly Solvable Toy Model that Mimics the Mode Coupling Theory of Supercooled Liquid and Glass Transition. <i>Physical Review Letters</i> , 2001, 86, 3582-3585.	7.8	16
38	Structural relaxation, self-diffusion, and kinetic heterogeneity in the two-dimensional lattice Coulomb gas. <i>Physical Review E</i> , 2001, 64, 066103.	2.1	3
39	Orientalional relaxation in Brownian rotors with frustrated interactions on a square lattice. <i>Physical Review E</i> , 1999, 60, 1503-1511.	2.1	10
40	Ordering Kinetics in the Two-Dimensional Classical Coulomb Gas of Half-Integer Charges on a Square Lattice: Temperature Dependent Growth and Roughening Transition. <i>Physical Review Letters</i> , 1997, 79, 2172-2175.	7.8	11
41	Slow Dynamics in the Relaxation of an Irrationally Frustrated XY Model in Two Dimensions: Analogy to Supercooled Liquids. <i>Physical Review Letters</i> , 1997, 78, 3709-3712.	7.8	21
42	Kinetics of XY and Ising ordering in a time-dependent Ginzburg-Landau model with $O(2)$ ground-state degeneracy. <i>Physical Review E</i> , 1997, 56, 6362-6369.	2.1	1
43	Dynamics of spin and chiral ordering in the two-dimensional fully frustrated XY model. <i>Physical Review E</i> , 1995, 51, R4-R7.	2.1	18
44	Ordering kinetics of two-dimensional $O(2)$ models: Scaling and temperature dependence. <i>Physical Review E</i> , 1995, 52, 1550-1557.	2.1	17