

# Jae Dong Noh

## List of Publications by Year in descending order

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70  
papers

2,262  
citations

279798

23  
h-index

214800

47  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1652  
citing authors

#	ARTICLE	IF	CITATIONS
1	Random Walks on Complex Networks. <i>Physical Review Letters</i> , 2004, 92, 118701.	7.8	891
2	Scale-free trees: The skeletons of complex networks. <i>Physical Review E</i> , 2004, 70, 046126.	2.1	94
3	Model for correlations in stock markets. <i>Physical Review E</i> , 2000, 61, 5981-5982.	2.1	84
4	Epidemic threshold of the susceptible-infected-susceptible model on complex networks. <i>Physical Review E</i> , 2013, 87, 062812.	2.1	65
5	Complete Condensation in a Zero Range Process on Scale-Free Networks. <i>Physical Review Letters</i> , 2005, 94, 198701.	7.8	62
6	Exact scaling properties of a hierarchical network model. <i>Physical Review E</i> , 2003, 67, 045103.	2.1	53
7	Percolation transition in networks with degree-degree correlation. <i>Physical Review E</i> , 2007, 76, 026116.	2.1	53
8	Universality class of absorbing transitions with continuously varying critical exponents. <i>Physical Review E</i> , 2004, 69, 016122.	2.1	50
9	Fluctuation Relation for Heat. <i>Physical Review Letters</i> , 2012, 108, 240603.	7.8	48
10	Stationary and dynamical properties of a zero-range process on scale-free networks. <i>Physical Review E</i> , 2005, 72, 056123.	2.1	46
11	Epidemic dynamics of two species of interacting particles on scale-free networks. <i>Physical Review E</i> , 2006, 74, 066113.	2.1	43
12	Nonequilibrium fluctuations for linear diffusion dynamics. <i>Physical Review E</i> , 2011, 83, 061145.	2.1	41
13	Phenomenology of aging in the Kardar-Parisi-Zhang equation. <i>Physical Review E</i> , 2012, 85, 030102.	2.1	41
14	Stability of shortest paths in complex networks with random edge weights. <i>Physical Review E</i> , 2002, 66, 066127.	2.1	40
15	Efficiency at maximum power and efficiency fluctuations in a linear Brownian heat-engine model. <i>Physical Review E</i> , 2016, 94, 012127.	2.1	39
16	Work fluctuations in a time-dependent harmonic potential: Rigorous results beyond the overdamped limit. <i>Physical Review E</i> , 2013, 88, 062102.	2.1	38
17	Growing network model for community with group structure. <i>Physical Review E</i> , 2005, 71, 036131.	2.1	34
18	Critical behavior of the Ising model in annealed scale-free networks. <i>Physical Review E</i> , 2009, 80, 051127.	2.1	33

#	ARTICLE	IF	CITATIONS
19	Critical behavior of the contact process in annealed scale-free networks. <i>Physical Review E</i> , 2009, 79, 056115.	2.1	28
20	Constrained spin-dynamics description of random walks on hierarchical scale-free networks. <i>Physical Review E</i> , 2004, 69, 036111.	2.1	25
21	Interacting domain walls and the five-vertex model. <i>Physical Review E</i> , 1994, 49, 1943-1961.	2.1	24
22	Finite-size scaling and the toroidal partition function of the critical asymmetric six-vertex model. <i>Physical Review E</i> , 1996, 53, 3225-3239.	2.1	24
23	Hidden entropy production by fast variables. <i>Physical Review E</i> , 2015, 91, 052128.	2.1	24
24	Emergence of nonwhite noise in Langevin dynamics with magnetic Lorentz force. <i>Physical Review E</i> , 2018, 97, 032117.	2.1	22
25	Optimal tuning of a Brownian information engine operating in a nonequilibrium steady state. <i>Physical Review E</i> , 2018, 98, .	2.1	22
26	Anomalous Roughness in Dimer-Type Surface Growth. <i>Physical Review Letters</i> , 2000, 84, 3891-3894.	7.8	20
27	Operator growth in the transverse-field Ising spin chain with integrability-breaking longitudinal field. <i>Physical Review E</i> , 2021, 104, 034112.	2.1	19
28	Macroscopic time-reversal symmetry breaking at a nonequilibrium phase transition. <i>Physical Review E</i> , 2016, 93, 012113.	2.1	18
29	Asymmetrically Coupled Directed Percolation Systems. <i>Physical Review Letters</i> , 2005, 94, 145702.	7.8	16
30	Multiple Dynamic Transitions in Nonequilibrium Work Fluctuations. <i>Physical Review Letters</i> , 2013, 111, 130601.	7.8	16
31	Disorder-Driven Critical Behavior of Periodic Elastic Media in a Crystal Potential. <i>Physical Review Letters</i> , 2001, 87, 176102.	7.8	15
32	Relaxation dynamics of an elastic string in random media. <i>Physical Review E</i> , 2009, 80, 040102.	2.1	15
33	Scaling of cluster heterogeneity in percolation transitions. <i>Physical Review E</i> , 2011, 84, 010101.	2.1	14
34	Anomalous roughness, localization, and globally constrained random walks. <i>Physical Review E</i> , 2001, 64, 046131.	2.1	13
35	Optimal tuning of a confined Brownian information engine. <i>Physical Review E</i> , 2016, 93, 032146.	2.1	13
36	PHASE BOUNDARY AND UNIVERSALITY OF THE TRIANGULAR LATTICE ANTIFERROMAGNETIC ISING MODEL. <i>International Journal of Modern Physics B</i> , 1992, 06, 2913-2924.	2.0	12

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37	Eigenstate thermalization hypothesis and eigenstate-to-eigenstate fluctuations. <i>Physical Review E</i> , 2021, 103, 012129.	2.1	12
38	Tricritical behavior of nonequilibrium Ising spins in fluctuating environments. <i>Physical Review E</i> , 2017, 95, 042106.	2.1	11
39	Quantum mechanical bound for efficiency of quantum Otto heat engine. <i>Physical Review E</i> , 2019, 100, 012148.	2.1	11
40	Numerical Verification of the Fluctuation-Dissipation Theorem for Isolated Quantum Systems. <i>Physical Review Letters</i> , 2020, 125, 050603.	7.8	11
41	Universal property of the housekeeping entropy production. <i>Physical Review E</i> , 2019, 99, 012136.	2.1	10
42	Random field Ising model on networks with inhomogeneous connections. <i>Physical Review E</i> , 2006, 74, 031118.	2.1	9
43	Phase transitions in the interacting-domain-wall model. <i>Physical Review E</i> , 1995, 51, 226-236.	2.1	8
44	Instability in a Network Coevolving with a Particle System. <i>Physical Review Letters</i> , 2008, 100, 118702.	7.8	8
45	Fluctuations and correlations in nonequilibrium systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P01013.	2.3	8
46	Microscopic theory for the time irreversibility and the entropy production. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 023208.	2.3	8
47	Guide to Exact Diagonalization Study of Quantum Thermalization. <i>Journal of the Korean Physical Society</i> , 2020, 76, 670-683.	0.7	8
48	Directed Ising type dynamic preroughening transition in one-dimensional interfaces. <i>Physical Review E</i> , 1999, 59, 194-204.	2.1	6
49	Heating and cooling of quantum gas by eigenstate Joule expansion. <i>Physical Review E</i> , 2019, 100, 010106.	2.1	6
50	Structural phase transition in evolving networks. <i>Physical Review E</i> , 2009, 80, 026119.	2.1	5
51	Particle condensation in pair exclusion process. <i>Physical Review E</i> , 2010, 81, 051120.	2.1	5
52	Degree-ordered percolation on a hierarchical scale-free network. <i>Physical Review E</i> , 2014, 89, 062816.	2.1	4
53	Block renormalization study on the nonequilibrium chiral Ising model. <i>Physical Review E</i> , 2015, 91, 012132.	2.1	4
54	Percolation Transition in Correlated Static Model. <i>Journal of the Korean Physical Society</i> , 2008, 52, 145.	0.7	4

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55	Extended universality of the surface curvature in equilibrium crystal shapes. <i>Physical Review E</i> , 1997, 56, 355-362.	2.1	3
56	Percolation transitions with nonlocal constraint. <i>Physical Review E</i> , 2012, 86, 031113.	2.1	3
57	Coarsening dynamics of nonequilibrium chiral Ising models. <i>Physical Review E</i> , 2013, 87, 012129.	2.1	3
58	On the steady-state probability distribution of nonequilibrium stochastic systems. <i>Journal of the Korean Physical Society</i> , 2015, 66, 544-552.	0.7	3
59	Time-Delay Induced Dimensional Crossover in the Voter Model. <i>Physical Review Letters</i> , 2017, 118, 168302.	7.8	3
60	Multiple condensates in driven diffusive system. <i>Journal of the Korean Physical Society</i> , 2010, 56, 973-976.	0.7	3
61	Numerical study of the disorder-driven roughening transition in an elastic manifold in a periodic potential. <i>Physical Review E</i> , 2002, 66, 036117.	2.1	2
62	Asymmetric simple exclusion process in one-dimensional chains with long-range links. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P04003.	2.3	2
63	Human bipedalism and body-mass index. <i>Scientific Reports</i> , 2017, 7, 3688.	3.3	2
64	Roughening and preroughening transitions in crystal surfaces with double-height steps. <i>Physical Review E</i> , 2000, 61, 77-80.	2.1	1
65	Condensation and clustering in the driven pair exclusion process. <i>Journal of the Korean Physical Society</i> , 2012, 60, 576-580.	0.7	1
66	Stochastic echo phenomena in nonequilibrium systems. <i>Journal of the Korean Physical Society</i> , 2014, 64, 504-509.	0.7	1
67	Geometry-induced rectification for an active object. <i>Physical Review Research</i> , 2021, 3, .	3.6	1
68	Suppression of discontinuous phase transitions by particle diffusion. <i>Physical Review E</i> , 2022, 105, .	2.1	1
69	Publisher's Note: Universality class of absorbing transitions with continuously varying critical exponents [Phys. Rev. E69, 016122 (2004)]. <i>Physical Review E</i> , 2004, 69, .	2.1	0
70	Nonequilibrium Statistical Physics for Microscopic Thermal Systems. <i>Physics and High Technology</i> , 2016, 25, 42-45.	0.1	0