

M N Najafi

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Avalanche frontiers in the dissipative Abelian sandpile model and off-critical Schramm-Loewner evolution. <i>Physical Review E</i> , 2012, 85, 051104.	0.8	28
2	Observation of $SLE(\kappa, \tilde{\nu})$ on the critical statistical models. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 095001.	0.7	24
3	Bak-Tang-Wiesenfeld model on the square site-percolation lattice. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 335003.	0.7	16
4	Fokker-Planck equation of Schramm-Loewner evolution. <i>Physical Review E</i> , 2015, 92, 022113.	0.8	14
5	Observation of Schramm-Loewner evolution on the geometrical clusters of the Ising model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P05009.	0.9	14
6	Magnetic field effect on the self-focusing of an intense laser pulse interacting with a bulk medium of graphite nanoparticles. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	14
7	Statistical investigation of the cross sections of wave clusters in the three-dimensional Bak-Tang-Wiesenfeld model. <i>Physical Review E</i> , 2015, 91, 052145.	0.8	13
8	Mapping of the Bak, Tang, and Wiesenfeld sandpile model on a two-dimensional Ising-correlated percolation lattice to the two-dimensional self-avoiding random walk. <i>Physical Review E</i> , 2017, 96, 052127.	0.8	13
9	Left passage probability of Schramm-Loewner Evolution. <i>Physical Review E</i> , 2013, 87, 062105.	0.8	10
10	Scale-invariant puddles in graphene: Geometric properties of electron-hole distribution at the Dirac point. <i>Physical Review E</i> , 2017, 95, 032112.	0.8	10
11	Superstatistical two-temperature Ising model. <i>Physical Review E</i> , 2021, 103, 032104.	0.8	10
12	Self-avoiding walk on a square lattice with correlated vacancies. <i>Physical Review E</i> , 2018, 97, 042128.	0.8	8
13	Geometry-induced nonequilibrium phase transition in sandpiles. <i>Physical Review E</i> , 2020, 101, 032116.	0.8	8
14	Gaussian free field in the iso-height random islands tuned by percolation model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 083301.	0.9	7
15	Sandpile on uncorrelated site-diluted percolation lattice; from three to two dimensions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 023211.	0.9	6
16	Statistical investigation of avalanches of three-dimensional small-world networks and their boundary and bulk cross-sections. <i>Physical Review E</i> , 2018, 97, 032108.	0.8	6
17	Self-organized criticality in cumulus clouds. <i>Physical Review E</i> , 2021, 103, 052106.	0.8	6
18	Persistent homology of fractional Gaussian noise. <i>Physical Review E</i> , 2021, 104, 034116.	0.8	6

#	ARTICLE	IF	CITATIONS
19	Universality class of the structural phase transition in the normal phase of cuprate superconductors. <i>Physical Review E</i> , 2016, 94, 022110.	0.8	5
20	Coupling of $\langle i \rangle$ and $\langle i \rangle = \frac{1}{2}$ and $\langle i \rangle = 0$ conformal field theories: the geometrical point of view. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 175001.	0.7	5
21	Avalanches on the complex network of Rigan earthquake. <i>Europhysics Letters</i> , 2020, 130, 20001.	0.7	5
22	Some properties of sandpile models as prototype of self-organized critical systems. <i>Physica Scripta</i> , 2021, 96, 112001.	1.2	5
23	Bak-Tang-Wiesenfeld model in the upper critical dimension: Induced criticality in lower-dimensional subsystems. <i>Physical Review E</i> , 2017, 96, 042115.	0.8	4
24	Ising ferromagnets in Ising-percolation square lattices, an example of Ising-Ising coupling. <i>Physical Review E</i> , 2018, 98, .	0.8	4
25	Elastic backbone phase transition in the Ising model. <i>Physical Review E</i> , 2019, 100, 042132.	0.8	4
26	Correlation effects in the diluteness pattern in non-integral dimensional systems on $\nu = \frac{4}{5}$ superdiffusion process. <i>Physica Scripta</i> , 2019, 94, 095204.	1.2	4
27	The effect of retardation in the random networks of excitable nodes, embeddable in the Euclidean space. <i>Physica Scripta</i> , 2019, 94, 055208.	1.2	3
28	Role of anaxonic local neurons in the crossover to continuously varying exponents for avalanche activity. <i>Physical Review E</i> , 2021, 103, 042402.	0.8	3
29	Self-similar but not conformally invariant traces obtained by modified Loewner forces. <i>Physical Review E</i> , 2022, 105, 024103.	0.8	3
30	A self-organized critical model and multifractal analysis for earthquakes in Central Alborz, Iran. <i>Scientific Reports</i> , 2022, 12, 8364.	1.6	3
31	Theoretical study of artificial Kerr effect on the self-focusing of laser in a dissipative suspension of silver nanoparticles. <i>Physics of Plasmas</i> , 2018, 25, 082310.	0.7	2
32	Local smoothing in sandpiles: Spanning avalanches, bifurcation, and temporal oscillations. <i>Physical Review E</i> , 2019, 99, 042120.	0.8	2
33	Semi-Analytical Solution for Solitary Waves in a Dissipative Suspension of Metallic Nanoparticles. <i>Plasmonics</i> , 2019, 14, 579-593.	1.8	2
34	Invasion sandpile model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 073205.	0.9	2
35	Power spectrum of rare events in a two-dimensional BTW model. <i>Physica Scripta</i> , 2018, 93, 105203.	1.2	1
36	Dynamical crossover in invasion percolation. <i>Physica Scripta</i> , 2020, 95, 115212.	1.2	1

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37	Edwards-Wilkinson depinning transition in random Coulomb potential background. Physical Review E, 2021, 104, 064140.	0.8	1
38	Scaling properties of monolayer graphene away from the Dirac point. Physical Review E, 2018, 98, 012111.	0.8	0
39	Interaction-disorder-driven characteristic momentum in graphene, approach of multi-body distribution functions. Scientific Reports, 2019, 9, 3624.	1.6	0
40	Self-repelling bipedal exploration process. Physical Review E, 2021, 104, 054135.	0.8	0
41	Invasion percolation in short-range and long-range disorder background. Physical Review E, 2021, 104, 064119.	0.8	0