M N Najafi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11701083/publications.pdf

Version: 2024-02-01

41	272	933264	1058333
papers	citations	10	14
		h-index	g-index

41	41	41	59
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Self-similar but not conformally invariant traces obtained by modified Loewner forces. Physical Review E, 2022, 105, 024103.	0.8	3
2	A self-organized critical model and multifractal analysis for earthquakes in Central Alborz, Iran. Scientific Reports, 2022, 12, 8364.	1.6	3
3	Superstatistical two-temperature Ising model. Physical Review E, 2021, 103, 032104.	0.8	10
4	Role of anaxonic local neurons in the crossover to continuously varying exponents for avalanche activity. Physical Review E, 2021, 103, 042402.	0.8	3
5	Self-organized criticality in cumulus clouds. Physical Review E, 2021, 103, 052106.	0.8	6
6	Some properties of sandpile models as prototype of self-organized critical systems. Physica Scripta, 2021, 96, 112001.	1.2	5
7	Persistent homology of fractional Gaussian noise. Physical Review E, 2021, 104, 034116.	0.8	6
8	Self-repelling bipedal exploration process. Physical Review E, 2021, 104, 054135.	0.8	0
9	Edwards-Wilkinson depinning transition in random Coulomb potential background. Physical Review E, 2021, 104, 064140.	0.8	1
10	Invasion percolation in short-range and long-range disorder background. Physical Review E, 2021, 104, 064119.	0.8	0
11	Invasion sandpile model. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 073205.	0.9	2
12	Avalanches on the complex network of Rigan earthquake. Europhysics Letters, 2020, 130, 20001.	0.7	5
13	Geometry-induced nonequilibrium phase transition in sandpiles. Physical Review E, 2020, 101, 032116.	0.8	8
14	Dynamical crossover in invasion percolation. Physica Scripta, 2020, 95, 115212.	1.2	1
15	Elastic backbone phase transition in the Ising model. Physical Review E, 2019, 100, 042132.	0.8	4
16	The effect of retardation in the random networks of excitable nodes, embeddable in the Euclidean space. Physica Scripta, 2019, 94, 055208.	1.2	3
17	Interaction-disorder-driven characteristic momentum in graphene, approach of multi-body distribution functions. Scientific Reports, 2019, 9, 3624.	1.6	0
18	Correlation effects in the diluteness pattern in non-integral dimensional systems on $u =displaystyle rac{4}{5}$ superdiffusion process. Physica Scripta, 2019, 94, 095204.	1.2	4

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19	Local smoothing in sandpiles: Spanning avalanches, bifurcation, and temporal oscillations. Physical Review E, 2019, 99, 042120.	0.8	2
20	Semi-Analytical Solution for Solitary Waves in a Dissipative Suspension of Metallic Nanoparticles. Plasmonics, 2019, 14, 579-593.	1.8	2
21	Self-avoiding walk on a square lattice with correlated vacancies. Physical Review E, 2018, 97, 042128.	0.8	8
22	Coupling ofcâ€‰â€‰=â€‰â€‰â^'2 andc$=rac{1}{2}$ andcâ€‰â€‰=â€‰â€‰0 conformal field theories: the geometrical point of view. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 175001.	0.7	5
23	Sandpile on uncorrelated site-diluted percolation lattice; from three to two dimensions. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 023211.	0.9	6
24	Statistical investigation of avalanches of three-dimensional small-world networks and their boundary and bulk cross-sections. Physical Review E, 2018, 97, 032108.	0.8	6
25	Ising ferromagnets in Ising-percolation square lattices, an example of Ising-Ising coupling. Physical Review E, 2018, 98, .	0.8	4
26	Scaling properties of monolayer graphene away from the Dirac point. Physical Review E, 2018, 98, 012111.	0.8	0
27	Theoretical study of artificial Kerr effect on the self-focusing of laser in a dissipative suspension of silver nanoparticles. Physics of Plasmas, 2018, 25, 082310.	0.7	2
28	Gaussian free field in the iso-height random islands tuned by percolation model. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 083301.	0.9	7
29	Power spectrum of rare events in a two-dimensional BTW model. Physica Scripta, 2018, 93, 105203.	1.2	1
30	Scale-invariant puddles in graphene: Geometric properties of electron-hole distribution at the Dirac point. Physical Review E, 2017, 95, 032112.	0.8	10
31	Magnetic field effect on the self-focusing of an intense laser pulse interacting with a bulk medium of graphite nanoparticles. Physics of Plasmas, 2017, 24, .	0.7	14
32	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. Physical Review E, 2017, 96, 052127.	0.8	13
33	Bak-Tang-Wiesenfeld model in the upper critical dimension: Induced criticality in lower-dimensional subsystems. Physical Review E, 2017, 96, 042115.	0.8	4
34	Bakâ€“Tangâ€“Wiesenfeld model on the square site-percolation lattice. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 335003.	0.7	16
35	Universality class of the structural phase transition in the normal phase of cuprate superconductors. Physical Review E, 2016, 94, 022110.	0.8	5
36	Fokker-Planck equation of Schramm-Loewner evolution. Physical Review E, 2015, 92, 022113.	0.8	14

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37	Observation of Schrammâ€“Loewner evolution on the geometrical clusters of the Ising model. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P05009.	0.9	14
38	Statistical investigation of the cross sections of wave clusters in the three-dimensional Bak-Tang-Wiesenfeld model. Physical Review E, 2015, 91, 052145.	0.8	13
39	Left passage probability of Schramm-Loewner Evolution. Physical Review E, 2013, 87, 062105.	0.8	10
40	Observation of SLE(Îº, Ï) on the critical statistical models. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 095001.	0.7	24
41	Avalanche frontiers in the dissipative Abelian sandpile model and off-critical Schramm-Loewner evolution. Physical Review E, 2012, 85, 051104.	0.8	28