Abbas Ali Saberi

List of Publications by Year
in descending order

27	490	1040056 9	677142 22
papers	citations	h-index	g-index

28	28	28	600
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances in percolation theory and its applications. Physics Reports, 2015, 578, 1-32.	25.6	299
2	Universal gap scaling in percolation. Nature Physics, 2020, 16, 455-461.	16.7	25
3	Percolation Description of the Global Topography of Earth and the Moon. Physical Review Letters, 2013, 110, 178501.	7.8	22
4	Thermal behavior of spin clusters and interfaces in the two-dimensional Ising model on a square lattice. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P07030.	2.3	21
5	Regulation of migration of chemotactic tumor cells by the spatial distribution of collagen fiber orientation. Physical Review E, 2019, 99, 062414.	2.1	17
6	Geometrical phase transition on WO3 surface. Applied Physics Letters, 2010, 97, .	3.3	16
7	Competing Universalities in Kardar-Parisi-Zhang Growth Models. Physical Review Letters, 2019, 122, 040605.	7.8	11
8	Role of the Interplay Between the Internal and External Conditions in Invasive Behavior of Tumors. Scientific Reports, 2018, 8, 5968.	3.3	9
9	Effect of heterogeneity and spatial correlations on the structure of a tumor invasion front in cellular environments. Physical Review E, 2019, 100, 062409.	2.1	9
10	Superlinear growth reveals the Allee effect in tumors. Physical Review E, 2021, 103, 042405.	2.1	8
11	Non-criticality of interaction network over systemâ€™s crises: A percolation analysis. Scientific Reports, 2017, 7, 15855.	3.3	7
12	Percolation framework of the Earth's topography. Physical Review E, 2019, 99, 022304.	2.1	7
13	Evidence for an Ancient Sea Level on Mars. Astrophysical Journal Letters, 2020, 896, L25.	8.3	6
14	Short-range migration can alter evolutionary dynamics in solid tumors. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 103502.	2.3	5
15	Universality class of epidemic percolation transitions driven by random walks. Physical Review E, 2021, 104, 064125.	2.1	5
16	Growth models on the Bethe lattice. Europhysics Letters, 2013, 103, 10005.	2.0	4
17	Emergence of global scaling behaviour in the coupled Earth-atmosphere interaction. Scientific Reports, 2016, 6, 34005.	3.3	4
18	Two-dimensional super-roughening in the three-dimensional Ising model. Physical Review E, 2019, 100, 060101.	2.1	3

#	Article	IF	Citations
19	Exact finite-size scaling for the random-matrix representation of bond percolation on square lattice. Chaos, 2022, 32, 023112.	2.5	3
20	Linear relationship statistics in diffusion limited aggregation. Journal of Physics Condensed Matter, 2009, 21, 465106.	1.8	2
21	Random walks on intersecting geometries. Physical Review E, 2019, 100, 022144.	2.1	2
22	Geometrically regulating evolutionary dynamics in biofilms. Physical Review E, 2021, 103, L050401.	2.1	1
23	Universal scaling and criticality of extremes in random matrix theory. Physical Review E, 2022, 105, L022102.	2.1	1
24	A 2D LÃ©vy-flight model for the complex dynamics of real-life financial markets. Chaos, 2022, 32, 033113.	2.5	1
25	Percolation analysis of the atmospheric structure. Physical Review E, 2021, 104, 064139.	2.1	1
26	Application of Percolation Theory to Statistical Topographies. , 2021, , 323-341.		0
27	Application of Percolation Theory to Statistical Topographies. , 2020, , 1-19.		0