

# Abbas Ali Saberi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1851689/publications.pdf>

Version: 2024-02-01

27  
papers

490  
citations

1040056

9  
h-index

677142

22  
g-index

28  
all docs

28  
docs citations

28  
times ranked

600  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exact finite-size scaling for the random-matrix representation of bond percolation on square lattice. Chaos, 2022, 32, 023112.	2.5	3
2	Universal scaling and criticality of extremes in random matrix theory. Physical Review E, 2022, 105, L022102.	2.1	1
3	A 2D Lévy-flight model for the complex dynamics of real-life financial markets. Chaos, 2022, 32, 033113.	2.5	1
4	Application of Percolation Theory to Statistical Topographies. , 2021, , 323-341.		0
5	Superlinear growth reveals the Allee effect in tumors. Physical Review E, 2021, 103, 042405.	2.1	8
6	Geometrically regulating evolutionary dynamics in biofilms. Physical Review E, 2021, 103, L050401.	2.1	1
7	Universality class of epidemic percolation transitions driven by random walks. Physical Review E, 2021, 104, 064125.	2.1	5
8	Percolation analysis of the atmospheric structure. Physical Review E, 2021, 104, 064139.	2.1	1
9	Evidence for an Ancient Sea Level on Mars. Astrophysical Journal Letters, 2020, 896, L25.	8.3	6
10	Universal gap scaling in percolation. Nature Physics, 2020, 16, 455-461.	16.7	25
11	Application of Percolation Theory to Statistical Topographies. , 2020, , 1-19.		0
12	Regulation of migration of chemotactic tumor cells by the spatial distribution of collagen fiber orientation. Physical Review E, 2019, 99, 062414.	2.1	17
13	Short-range migration can alter evolutionary dynamics in solid tumors. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 103502.	2.3	5
14	Random walks on intersecting geometries. Physical Review E, 2019, 100, 022144.	2.1	2
15	Competing Universalities in Kardar-Parisi-Zhang Growth Models. Physical Review Letters, 2019, 122, 040605.	7.8	11
16	Percolation framework of the Earth's topography. Physical Review E, 2019, 99, 022304.	2.1	7
17	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
18	Two-dimensional super-roughening in the three-dimensional Ising model. Physical Review E, 2019, 100, 060101.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Role of the Interplay Between the Internal and External Conditions in Invasive Behavior of Tumors. Scientific Reports, 2018, 8, 5968.	3.3	9
20	Non-criticality of interaction network over system's crises: A percolation analysis. Scientific Reports, 2017, 7, 15855.	3.3	7
21	Emergence of global scaling behaviour in the coupled Earth-atmosphere interaction. Scientific Reports, 2016, 6, 34005.	3.3	4
22	Recent advances in percolation theory and its applications. Physics Reports, 2015, 578, 1-32.	25.6	299
23	Growth models on the Bethe lattice. Europhysics Letters, 2013, 103, 10005.	2.0	4
24	Percolation Description of the Global Topography of Earth and the Moon. Physical Review Letters, 2013, 110, 178501.	7.8	22
25	Geometrical phase transition on WO <sub>3</sub> surface. Applied Physics Letters, 2010, 97, .	3.3	16
26	Linear relationship statistics in diffusion limited aggregation. Journal of Physics Condensed Matter, 2009, 21, 465106.	1.8	2
27	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