

# Alessio Squarcini

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

345  
citations

840776

11  
h-index

794594

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

147  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral Content of a Single Non-Brownian Trajectory. <i>Physical Review X</i> , 2019, 9, .	8.9	65
2	Power spectral density of a single Brownian trajectory: what one can and cannot learn from it. <i>New Journal of Physics</i> , 2018, 20, 023029.	2.9	62
3	Phase Separation in a Wedge: Exact Results. <i>Physical Review Letters</i> , 2014, 113, 066101.	7.8	31
4	Exact theory of intermediate phases in two dimensions. <i>Annals of Physics</i> , 2014, 342, 171-194.	2.8	23
5	Interfaces and wetting transition on the half plane. Exact results from field theory. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P05010.	2.3	15
6	Vortex Mass in the Three-Dimensional O(2) Scalar Theory. <i>Physical Review Letters</i> , 2019, 122, 050602.	7.8	15
7	Ensemble dependence of critical Casimir forces in films with Dirichlet boundary conditions. <i>Physical Review E</i> , 2019, 99, 062103.	2.1	14
8	Casimir Contribution to the Interfacial Hamiltonian for 3D Wetting. <i>Physical Review Letters</i> , 2022, 128, .	7.8	14
9	Particles, string and interface in the three-dimensional Ising model. <i>Nuclear Physics B</i> , 2020, 958, 115139.	2.5	13
10	Multiple phases and vicious walkers in a wedge. <i>Nuclear Physics B</i> , 2015, 901, 430-443.	2.5	11
11	Long range correlations generated by phase separation. Exact results from field theory. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	11
12	Structure of interfaces at phase coexistence. Theory and numerics. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 053203.	2.3	11
13	Spectral density of individual trajectories of an active Brownian particle. <i>New Journal of Physics</i> , 2022, 24, 013018.	2.9	10
14	Interface in presence of a wall. Results from field theory. <i>Nuclear Physics B</i> , 2021, 967, 115396.	2.5	9
15	Correlations and structure of interfaces in the Ising model: theory and numerics. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 083209.	2.3	9
16	Bulk and boundary effects on the decay of the thermodynamic Casimir force. <i>Europhysics Letters</i> , 2015, 109, 16001.	2.0	7
17	Passive advection of fractional Brownian motion by random layered flows. <i>New Journal of Physics</i> , 2020, 22, 053052.	2.9	6
18	Four-point interfacial correlation functions in two dimensions. Exact results from field theory and numerical simulations. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 103205.	2.3	6

#	ARTICLE	IF	CITATIONS
19	Action at a distance in classical uniaxial ferromagnetic arrays. <i>Physical Review E</i> , 2017, 96, 042154.	2.1	5
20	Multipoint correlation functions at phase separation. Exact results from field theory. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	5
21	Curvature corrections to the nonlocal interfacial model for short-ranged forces. <i>Physical Review E</i> , 2018, 97, 062804.	2.1	2
22	Inhomogeneous surface tension of chemically active fluid interfaces. <i>Journal of Chemical Physics</i> , 2020, 153, 234903.	3.0	1