Tiago J Oliveira

List of Publications by Year in Descending Order

52 papers	663 citations	16 h-index	23 g-index
54 ext. papers	769 ext. citations	2.5 avg, IF	4.5 L-index

#	Paper	IF	Citations
52	Entropy of fully packed rigid rods on generalized Husimi trees: A route to the square-lattice limit.. *Physical Review E*, **2022**, 105, 024132	2.4	0
51	Husimi-lattice solutions and the coherent-anomaly-method analysis for hard-square lattice gases. *Physical Review E*, **2021**, 103, 032153	2.4	3
50	Surface growth on tree-like lattices and the upper critical dimension of the KPZ class. *Europhysics Letters*, **2021**, 133, 28001	1.6	1
49	Phase diagram and critical properties of a two-dimensional associating lattice gas.. *Physical Review E*, **2021**, 104, 064120	2.4	
48	Fluid-fluid demixing and density anomaly in a ternary mixture of hard spheres. *Physical Review E*, **2020**, 101, 062102	2.4	2
47	Height fluctuations in homoepitaxial thin film growth: A numerical study. *Physical Review Research*, **2020**, 2,	3.9	4
46	Order-disorder transition in a two-dimensional associating lattice gas. *Physical Review E*, **2019**, 100, 022109	2.4	2
45	Three stable phases and thermodynamic anomaly in a binary mixture of hard particles. *Journal of Chemical Physics*, **2019**, 151, 024504	3.9	6
44	Circular Kardar-Parisi-Zhang interfaces evolving out of the plane. *Physical Review E*, **2019**, 99, 032140	2.4	4
43	Thermodynamic behavior of binary mixtures of hard spheres: Semianalytical solutions on a Husimi lattice built with cubes. *Physical Review E*, **2019**, 100, 032112	2.4	3
42	Geometry dependence in linear interface growth. *Physical Review E*, **2019**, 100, 042107	2.4	3
41	Adsorption of two-dimensional polymers with two- and three-body self-interactions. *Physical Review E*, **2019**, 100, 062504	2.4	
40	Kardar-Parisi-Zhang growth on one-dimensional decreasing substrates. *Physical Review E*, **2018**, 98, 010102	2.4	7
39	Solution of semi-flexible self-avoiding trails on a Husimi lattice built with squares. *Journal of Physics A: Mathematical and Theoretical*, **2018**, 51, 054001	2	2
38	Grand-canonical solution of semiflexible self-avoiding trails on the Bethe lattice. *Physical Review E*, **2017**, 95, 022132	2.4	2
37	Initial pseudo-steady state & asymptotic KPZ universality in semiconductor on polymer deposition. *Scientific Reports*, **2017**, 7, 3773	4.9	10
36	Collapse transition in polymer models with multiple monomers per site and multiple bonds per edge. *Physical Review E*, **2017**, 96, 062111	2.4	1

35	Permeability and kinetic coefficients for mesoscale BCF surface step dynamics: Discrete two-dimensional deposition-diffusion equation analysis. *Physical Review B*, **2016**, 93,	3.3	3
34	Width and extremal height distributions of fluctuating interfaces with window boundary conditions. *Physical Review E*, **2016**, 93, 012801	2.4	5
33	Universality and dependence on initial conditions in the class of the nonlinear molecular beam epitaxy equation. *Physical Review E*, **2016**, 94, 050801	2.4	18
32	Nature of the collapse transition in interacting self-avoiding trails. *Physical Review E*, **2016**, 93, 012502	2.4	6
31	Point island models for nucleation and growth of supported nanoclusters during surface deposition. *Journal of Chemical Physics*, **2016**, 145, 211904	3.9	13
30	Polymers with nearest- and next nearest-neighbor interactions on the Husimi lattice. *Journal of Physics A: Mathematical and Theoretical*, **2016**, 49, 155001	2	4
29	Transfer-matrix study of a hard-square lattice gas with two kinds of particles and density anomaly. *Physical Review E*, **2015**, 92, 032101	2.4	9
28	Substrate effects and diffusion dominated roughening in Cu2O electrodeposition. *Journal of Applied Physics*, **2015**, 118, 145303	2.5	12
27	Temperature effect on (2 + 1) experimental Kardar-Parisi-Zhang growth. *Europhysics Letters*, **2015**, 109, 46003	1.6	18
26	Universal fluctuations in the growth of semiconductor thin films. *Physical Review B*, **2014**, 89,	3.3	50
25	Universality of fluctuations in the Kardar-Parisi-Zhang class in high dimensions and its upper critical dimension. *Physical Review E*, **2014**, 90, 020103	2.4	32
24	Simulating the initial growth of a deposit from colloidal suspensions. *Journal of Statistical Mechanics: Theory and Experiment*, **2014**, 2014, P09006	1.9	10
23	Interface fluctuations for deposition on enlarging flat substrates. *New Journal of Physics*, **2014**, 16, 123057	2.9	20
22	Origins of scaling corrections in ballistic growth models. *Physical Review E*, **2014**, 90, 052405	2.4	13
21	Monte Carlo simulations of polymers with nearest- and next nearest-neighbor interactions on square and cubic lattices. *Journal of Physics A: Mathematical and Theoretical*, **2014**, 47, 405002	2	6
20	Surface and bulk properties of ballistic deposition models with bond breaking. *Physica A: Statistical Mechanics and Its Applications*, **2013**, 392, 2479-2486	3.3	8
19	Kardar-Parisi-Zhang universality class in (2+1) dimensions: universal geometry-dependent distributions and finite-time corrections. *Physical Review E*, **2013**, 87, 040102	2.4	45
18	Non-universal parameters, corrections and universality in Kardar-Parisi-Zhang growth. *Journal of Statistical Mechanics: Theory and Experiment*, **2013**, 2013, P05007	1.9	27

17	Height distributions in competitive one-dimensional Kardar-Parisi-Zhang systems. *Physical Review E* , **2013**, 87,	2.4	5
16	Scaling in reversible submonolayer deposition. *Physical Review B*, **2013**, 87,	3.3	21
15	Universal fluctuations in Kardar-Parisi-Zhang growth on one-dimensional flat substrates. *Physical Review E*, **2012**, 85, 010601	2.4	32
14	Crossover in the scaling of island size and capture zone distributions. *Physical Review B*, **2012**, 86,	3.3	13
13	Roughness exponents and grain shapes. *Physical Review E*, **2011**, 83, 041608	2.4	24
12	Universal fluctuations in radial growth models belonging to the KPZ universality class. *Europhysics Letters*, **2011**, 96, 48003	1.6	40
11	Kinetic modelling of epitaxial film growth with up- and downward step barriers. *Journal of Statistical Mechanics: Theory and Experiment*, **2011**, 2011, P09018	1.9	10
10	Bethe lattice solution of a model of SAW with up to three monomers per site and no restriction. *Journal of Statistical Mechanics: Theory and Experiment*, **2011**, 2011, P01026	1.9	3
9	Scaling of island size and capture zone distributions in submonolayer growth. *Physical Review B*, **2011**, 83,	3.3	17
8	Solution on the Bethe lattice of a hard core athermal gas with two kinds of particles. *Journal of Chemical Physics*, **2011**, 135, 184502	3.9	14
7	Solution of an associating lattice-gas model with density anomaly on a Husimi lattice. *Physical Review E*, **2010**, 82, 051131	2.4	16
6	Grand-canonical and canonical solution of self-avoiding walks with up to three monomers per site on the Bethe lattice. *Physical Review E*, **2009**, 80, 041804	2.4	15
5	Solution of a model of self-avoiding walks with multiple monomers per site on the Husimi lattice. *Physical Review E*, **2008**, 77, 041103	2.4	9
4	Maximal- and minimal-height distributions of fluctuating interfaces. *Physical Review E*, **2008**, 77, 041605	2.4	18
3	Finite-size effects in roughness distribution scaling. *Physical Review E*, **2007**, 76, 061601	2.4	18
2	Effects of grains features in surface roughness scaling. *Journal of Applied Physics*, **2007**, 101, 063507	2.5	40
1	Universal and nonuniversal features in the crossover from linear to nonlinear interface growth. *Physical Review E*, **2006**, 74, 011604	2.4	19