

# Tiago J Oliveira

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Universal fluctuations in the growth of semiconductor thin films. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	50
51	Kardar-Parisi-Zhang universality class in (2+1) dimensions: universal geometry-dependent distributions and finite-time corrections. <i>Physical Review E</i> , <b>2013</b> , 87, 040102	2.4	45
50	Universal fluctuations in radial growth models belonging to the KPZ universality class. <i>Europhysics Letters</i> , <b>2011</b> , 96, 48003	1.6	40
49	Effects of grains/features in surface roughness scaling. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 063507	2.5	40
48	Universality of fluctuations in the Kardar-Parisi-Zhang class in high dimensions and its upper critical dimension. <i>Physical Review E</i> , <b>2014</b> , 90, 020103	2.4	32
47	Universal fluctuations in Kardar-Parisi-Zhang growth on one-dimensional flat substrates. <i>Physical Review E</i> , <b>2012</b> , 85, 010601	2.4	32
46	Non-universal parameters, corrections and universality in Kardar-Parisi-Zhang growth. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2013</b> , 2013, P05007	1.9	27
45	Roughness exponents and grain shapes. <i>Physical Review E</i> , <b>2011</b> , 83, 041608	2.4	24
44	Scaling in reversible submonolayer deposition. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	21
43	Interface fluctuations for deposition on enlarging flat substrates. <i>New Journal of Physics</i> , <b>2014</b> , 16, 123057	2.7	20
42	Universal and nonuniversal features in the crossover from linear to nonlinear interface growth. <i>Physical Review E</i> , <b>2006</b> , 74, 011604	2.4	19
41	Universality and dependence on initial conditions in the class of the nonlinear molecular beam epitaxy equation. <i>Physical Review E</i> , <b>2016</b> , 94, 050801	2.4	18
40	Temperature effect on (2 + 1) experimental Kardar-Parisi-Zhang growth. <i>Europhysics Letters</i> , <b>2015</b> , 109, 46003	1.6	18
39	Maximal- and minimal-height distributions of fluctuating interfaces. <i>Physical Review E</i> , <b>2008</b> , 77, 041605	2.4	18
38	Finite-size effects in roughness distribution scaling. <i>Physical Review E</i> , <b>2007</b> , 76, 061601	2.4	18
37	Scaling of island size and capture zone distributions in submonolayer growth. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	17
36	Solution of an associating lattice-gas model with density anomaly on a Husimi lattice. <i>Physical Review E</i> , <b>2010</b> , 82, 051131	2.4	16

35	Grand-canonical and canonical solution of self-avoiding walks with up to three monomers per site on the Bethe lattice. <i>Physical Review E</i> , <b>2009</b> , 80, 041804	2.4	15
34	Solution on the Bethe lattice of a hard core athermal gas with two kinds of particles. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 184502	3.9	14
33	Origins of scaling corrections in ballistic growth models. <i>Physical Review E</i> , <b>2014</b> , 90, 052405	2.4	13
32	Crossover in the scaling of island size and capture zone distributions. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	13
31	Point island models for nucleation and growth of supported nanoclusters during surface deposition. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 211904	3.9	13
30	Substrate effects and diffusion dominated roughening in Cu <sub>2</sub> O electrodeposition. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 145303	2.5	12
29	Initial pseudo-steady state & asymptotic KPZ universality in semiconductor on polymer deposition. <i>Scientific Reports</i> , <b>2017</b> , 7, 3773	4.9	10
28	Simulating the initial growth of a deposit from colloidal suspensions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2014</b> , 2014, P09006	1.9	10
27	Kinetic modelling of epitaxial film growth with up- and downward step barriers. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2011</b> , 2011, P09018	1.9	10
26	Transfer-matrix study of a hard-square lattice gas with two kinds of particles and density anomaly. <i>Physical Review E</i> , <b>2015</b> , 92, 032101	2.4	9
25	Solution of a model of self-avoiding walks with multiple monomers per site on the Husimi lattice. <i>Physical Review E</i> , <b>2008</b> , 77, 041103	2.4	9
24	Surface and bulk properties of ballistic deposition models with bond breaking. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2013</b> , 392, 2479-2486	3.3	8
23	Kardar-Parisi-Zhang growth on one-dimensional decreasing substrates. <i>Physical Review E</i> , <b>2018</b> , 98, 010102	1.0	7
22	Nature of the collapse transition in interacting self-avoiding trails. <i>Physical Review E</i> , <b>2016</b> , 93, 012502	2.4	6
21	Three stable phases and thermodynamic anomaly in a binary mixture of hard particles. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 024504	3.9	6
20	Monte Carlo simulations of polymers with nearest- and next nearest-neighbor interactions on square and cubic lattices. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2014</b> , 47, 405002	2	6
19	Width and extremal height distributions of fluctuating interfaces with window boundary conditions. <i>Physical Review E</i> , <b>2016</b> , 93, 012801	2.4	5
18	Height distributions in competitive one-dimensional Kardar-Parisi-Zhang systems. <i>Physical Review E</i> , <b>2013</b> , 87,	2.4	5

17	Circular Kardar-Parisi-Zhang interfaces evolving out of the plane. <i>Physical Review E</i> , <b>2019</b> , 99, 032140	2.4	4
16	Height fluctuations in homoepitaxial thin film growth: A numerical study. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	4
15	Polymers with nearest- and next nearest-neighbor interactions on the Husimi lattice. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2016</b> , 49, 155001	2	4
14	Permeability and kinetic coefficients for mesoscale BCF surface step dynamics: Discrete two-dimensional deposition-diffusion equation analysis. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	3
13	Thermodynamic behavior of binary mixtures of hard spheres: Semianalytical solutions on a Husimi lattice built with cubes. <i>Physical Review E</i> , <b>2019</b> , 100, 032112	2.4	3
12	Geometry dependence in linear interface growth. <i>Physical Review E</i> , <b>2019</b> , 100, 042107	2.4	3
11	Bethe lattice solution of a model of SAWB with up to three monomers per site and no restriction. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2011</b> , 2011, P01026	1.9	3
10	Husimi-lattice solutions and the coherent-anomaly-method analysis for hard-square lattice gases. <i>Physical Review E</i> , <b>2021</b> , 103, 032153	2.4	3
9	Grand-canonical solution of semiflexible self-avoiding trails on the Bethe lattice. <i>Physical Review E</i> , <b>2017</b> , 95, 022132	2.4	2
8	Fluid-fluid demixing and density anomaly in a ternary mixture of hard spheres. <i>Physical Review E</i> , <b>2020</b> , 101, 062102	2.4	2
7	Solution of semi-flexible self-avoiding trails on a Husimi lattice built with squares. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2018</b> , 51, 054001	2	2
6	Order-disorder transition in a two-dimensional associating lattice gas. <i>Physical Review E</i> , <b>2019</b> , 100, 022109	2.4	2
5	Collapse transition in polymer models with multiple monomers per site and multiple bonds per edge. <i>Physical Review E</i> , <b>2017</b> , 96, 062111	2.4	1
4	Surface growth on tree-like lattices and the upper critical dimension of the KPZ class. <i>Europhysics Letters</i> , <b>2021</b> , 133, 28001	1.6	1
3	Entropy of fully packed rigid rods on generalized Husimi trees: A route to the square-lattice limit.. <i>Physical Review E</i> , <b>2022</b> , 105, 024132	2.4	0
2	Adsorption of two-dimensional polymers with two- and three-body self-interactions. <i>Physical Review E</i> , <b>2019</b> , 100, 062504	2.4	
1	Phase diagram and critical properties of a two-dimensional associating lattice gas.. <i>Physical Review E</i> , <b>2021</b> , 104, 064120	2.4	