Tiago J Oliveira

List of Publications by Year in descending order

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54 papers	830 citations	430442 18 h-index	525886 27 g-index
54 all docs	54 docs citations	54 times ranked	378 citing authors

#	Article	IF	Citations
1	Universal fluctuations in the growth of semiconductor thin films. Physical Review B, 2014, 89, .	1.1	64
2	Kardar-Parisi-Zhang universality class in (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 717 Td (xmlns:mml="http://www.w3.org/199 dimensions: Universal geometry-dependent distributions and finite-time corrections. Physical Review E, 2013, 87, 040102.	0.8	55
3	Universal fluctuations in radial growth models belonging to the KPZ universality class. Europhysics Letters, 2011, 96, 48003.	0.7	47
4	Effects of grainsâ€™ features in surface roughness scaling. Journal of Applied Physics, 2007, 101, 063507.	1.1	45
5	Universal fluctuations in Kardar-Parisi-Zhang growth on one-dimensional flat substrates. Physical Review E, 2012, 85, 010601.	0.8	40
6	Universality of fluctuations in the Kardar-Parisi-Zhang class in high dimensions and its upper critical dimension. Physical Review E, 2014, 90, 020103.	0.8	40
7	Non-universal parameters, corrections and universality in Kardarâ€“Parisiâ€“Zhang growth. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P05007.	0.9	31
8	Roughness exponents and grain shapes. Physical Review E, 2011, 83, 041608.	0.8	30
9	Interface fluctuations for deposition on enlarging flat substrates. New Journal of Physics, 2014, 16, 123057.	1.2	25
10	Temperature effect on (2 + 1) experimental Kardar-Parisi-Zhang growth. Europhysics Letters, 2015, 109, 46003.	0.7	24
11	Universality and dependence on initial conditions in the class of the nonlinear molecular beam epitaxy equation. Physical Review E, 2016, 94, 050801.	0.8	24
12	Universal and nonuniversal features in the crossover from linear to nonlinear interface growth. Physical Review E, 2006, 74, 011604.	0.8	23
13	Scaling in reversible submonolayer deposition. Physical Review B, 2013, 87, .	1.1	23
14	Origins of scaling corrections in ballistic growth models. Physical Review E, 2014, 90, 052405.	0.8	21
15	Finite-size effects in roughness distribution scaling. Physical Review E, 2007, 76, 061601.	0.8	20
16	Initial pseudo-steady state & asymptotic KPZ universality in semiconductor on polymer deposition. Scientific Reports, 2017, 7, 3773.	1.6	20
17	Maximal- and minimal-height distributions of fluctuating interfaces. Physical Review E, 2008, 77, 041605.	0.8	18
18	Solution of an associating lattice-gas model with density anomaly on a Husimi lattice. Physical Review E, 2010, 82, 051131.	0.8	18

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19	Scaling of island size and capture zone distributions in submonolayer growth. Physical Review B, 2011, 83, .	1.1	17
20	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.	0.8	16
21	Substrate effects and diffusion dominated roughening in Cu2O electrodeposition. Journal of Applied Physics, 2015, 118, .	1.1	16
22	Solution on the Bethe lattice of a hard core athermal gas with two kinds of particles. Journal of Chemical Physics, 2011, 135, 184502.	1.2	15
23	Crossover in the scaling of island size and capture zone distributions. Physical Review B, 2012, 86, .	1.1	14
24	Point island models for nucleation and growth of supported nanoclusters during surface deposition. Journal of Chemical Physics, 2016, 145, 211904.	1.2	13
25	Simulating the initial growth of a deposit from colloidal suspensions. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P09006.	0.9	12
26	Kardar-Parisi-Zhang growth on one-dimensional decreasing substrates. Physical Review E, 2018, 98, 010102.	0.8	12
27	Transfer-matrix study of a hard-square lattice gas with two kinds of particles and density anomaly. Physical Review E, 2015, 92, 032101.	0.8	11
28	Solution of a model of self-avoiding walks with multiple monomers per site on the Husimi lattice. Physical Review E, 2008, 77, 041103.	0.8	10
29	Kinetic modelling of epitaxial film growth with up- and downward step barriers. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P09018.	0.9	10
30	Nature of the collapse transition in interacting self-avoiding trails. Physical Review E, 2016, 93, 012502.	0.8	10
31	Surface and bulk properties of ballistic deposition models with bond breaking. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 2479-2486.	1.2	9
32	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.	0.7	8
33	Geometry dependence in linear interface growth. Physical Review E, 2019, 100, 042107.	0.8	8
34	Three stable phases and thermodynamic anomaly in a binary mixture of hard particles. Journal of Chemical Physics, 2019, 151, 024504.	1.2	7
35	Circular Kardar-Parisi-Zhang interfaces evolving out of the plane. Physical Review E, 2019, 99, 032140.	0.8	7
36	Width and extremal height distributions of fluctuating interfaces with window boundary conditions. Physical Review E, 2016, 93, 012801.	0.8	6

#	Article	IF	Citations
37	Height fluctuations in homoepitaxial thin film growth: A numerical study. Physical Review Research, 2020, 2, .	1.3	6
38	Height distributions in competitive one-dimensional Kardar-Parisi-Zhang systems. Physical Review E, 2013, 87, .	0.8	5
39	Polymers with nearest- and next nearest-neighbor interactions on the Husimi lattice. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 155001.	0.7	5
40	Permeability and kinetic coefficients for mesoscale BCF surface step dynamics: Discrete two-dimensional deposition-diffusion equation analysis. Physical Review B, 2016, 93, .	1.1	5
41	Husimi-lattice solutions and the coherent-anomaly-method analysis for hard-square lattice gases. Physical Review E, 2021, 103, 032153.	0.8	5
42	Bethe lattice solution of a model of SAWâ€™s with up to three monomers per site and no restriction. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P01026.	0.9	4
43	Grand-canonical solution of semiflexible self-avoiding trails on the Bethe lattice. Physical Review E, 2017, 95, 022132.	0.8	4
44	Solution of semi-flexible self-avoiding trails on a Husimi lattice built with squares. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 054001.	0.7	4
45	Thermodynamic behavior of binary mixtures of hard spheres: Semianalytical solutions on a Husimi lattice built with cubes. Physical Review E, 2019, 100, 032112.	0.8	4
46	Surface growth on tree-like lattices and the upper critical dimension of the KPZ class. Europhysics Letters, 2021, 133, 28001.	0.7	4
47	Adsorption of two-dimensional polymers with two- and three-body self-interactions. Physical Review E, 2019, 100, 062504.	0.8	3
48	Fluid-fluid demixing and density anomaly in a ternary mixture of hard spheres. Physical Review E, 2020, 101, 062102.	0.8	3
49	Entropy of fully packed rigid rods on generalized Husimi trees: A route to the square-lattice limit. Physical Review E, 2022, 105, 024132.	0.8	3
50	Collapse transition in polymer models with multiple monomers per site and multiple bonds per edge. Physical Review E, 2017, 96, 062111.	0.8	2
51	Order-disorder transition in a two-dimensional associating lattice gas. Physical Review E, 2019, 100, 022109.	0.8	2
52	Kardar-Parisi-Zhang growth on square domains that enlarge nonlinearly in time. Physical Review E, 2022, 105, .	0.8	2
53	Phase diagram and critical properties of a two-dimensional associating lattice gas. Physical Review E, 2021, 104, 064120.	0.8	0
54	Height distributions in interface growth: The role of the averaging process. Physical Review E, 2022, 105, .	0.8	0