Hui Xia

List of Publications by Year
in descending order

43 papers	295 citations	1163117 8 h-index	940533 16 g-index
43 all docs	43 docs citations	43 times ranked	200 citing authors

#	Article	IF	Citations
1	Numerical evidence of persisting surface roughness when deposition stops. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 013202.	2.3	1
2	Kinetic roughening in the nonlocal Kardarâ€"Parisiâ€"Zhang growth: Pseudospectral versus finite difference schemes. Physica A: Statistical Mechanics and Its Applications, 2022, , 127819.	2.6	0
3	Extensive numerical simulations of surface growth with temporally correlated noise. Physical Review E, 2021, 103, 012121.	2.1	3
4	Universality in a class of the modified Villainâ€"Laiâ€"Das Sarma equation. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 023210.	2.3	2
5	Kinetic roughening and nontrivial scaling in the Kardarâ€"Parisiâ€"Zhang growth with long-range temporal correlations. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 073203.	2.3	4
6	Long-Range Temporal Correlations in Kinetic Roughening. Journal of Statistical Physics, 2020, 178, 800-813.	1.2	3
7	Numerical simulation of melting dynamic process and surface scale properties of two-dimensional honeycomb lattice. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 050301.	0.5	0
8	Simulation of finite size effects of the fiber bundle model. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 338-346.	2.6	8
9	The avalanche process of the fiber bundle model with defect in local loading sharing. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 1095-1102.	2.6	8
10	The avalanche process of the fiber bundle model with defect. Physica A: Statistical Mechanics and Its Applications, 2017, 472, 77-85.	2.6	7
11	Dynamic scaling behaviors of the restricted-solid-on-solid model on honeycomb and square-octagon lattice substrates. European Physical Journal B, 2017, 90, 1.	1.5	2
12	Numerical analysis of long-range spatial correlations in surface growth. Physical Review E, 2016, 94, 062121.	2.1	2
13	Simulation study on the avalanche process of the mixed brittleâ€"plastic fiber bundle model. Physica A: Statistical Mechanics and Its Applications, 2016, 441, 237-244.	2.6	4
14	Long-range temporal correlations in the Kardarâ€"Parisiâ€"Zhang growth: numerical simulations. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 113206.	2.3	9
15	Dynamic scaling behaviors of linear fractal Langevin-type equation driven by nonconserved and conserved noise. Physica A: Statistical Mechanics and Its Applications, 2016, 451, 451-455.	2.6	4
16	A fractal langevin equation describing the kinetic roughening growth on fractal lattices. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P08016.	2.3	1
17	Large-scale numerical study on the dynamic scaling behavior of Das Sarma-Tamborenea model by employing noise reduction technique. Europhysics Letters, 2015, 111, 60012.	2.0	5
18	Dynamic scaling behaviors of the Etching model on fractal substrates. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P12008.	2.3	2

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19	Surface structures of equilibrium restricted curvature model on two fractal substrates. Chinese Physics B, 2014, 23, 010503.	1.4	2
20	Crossover behavior in the avalanche process of the fiber bundle model in local load sharing. Physica A: Statistical Mechanics and Its Applications, 2014, 416, 135-141.	2.6	3
21	Nonuniversality of Critical Exponents in a Fractional Quenched Kardar–Parisi–Zhang Equation. Journal of Statistical Physics, 2014, 154, 1228-1240.	1.2	0
22	Numerical evidence for anomalous dynamic scaling in conserved surface growth. Surface Science, 2013, 607, 138-147.	1.9	11
23	Avalanche process of the fiber-bundle model with stick-slip dynamics and a variable Young modulus. Physical Review E, 2013, 87, 042126.	2.1	9
24	Dynamics of surface roughening in the space-fractional Kardar–Parisi–Zhang growth: numerical results. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 295001.	2.1	4
25	The influence of diversity on spiral wave in the cardiac tissue. Europhysics Letters, 2012, 97, 28003.	2.0	17
26	The avalanche process of the multilinear fiber bundles model. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P10008.	2.3	8
27	Asymptotic dynamic scaling behavior of the (1+1)-dimensional Wolf-Villain model. Physical Review E, 2012, 85, 041126.	2.1	6
28	Universal Behaviour of (2+1)-Dimensional Stochastic Equations for Epitaxial Growth Processes. Journal of Statistical Physics, 2012, 149, 1086-1095.	1.2	1
29	Simulation study on the avalanche process of the fiber bundles with strong heterogeneities. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4686-4691.	2.6	0
30	Dynamic scaling behaviors of the discrete growth models on fractal substrates. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P10014.	2.3	15
31	Simulation Study on the Avalanche Process of Continuous Damage Fiber Bundle Model with Strong Disorder. Journal of Statistical Physics, 2012, 146, 1203-1212.	1.2	4
32	CONFORMAL INVARIANCE OF CONTOUR LINES ON THE (2 + 1)-DIMENSIONAL RESTRICTED SOLID-ON-SOLID SURFACE. Modern Physics Letters B, 2011, 25, 255-264.	1.9	3
33	Conformal Invariance of Isoheight Lines of the (2+1)-Dimensional Wolf-Villain Surfaces. Journal of Statistical Physics, 2011, 143, 501-508.	1.2	1
34	Delay and diversity-induced synchronization transitions in a small-world neuronal network. Physical Review E, 2011, 83, 046207.	2.1	77
35	Evidence for the anomalous scaling behaviour of the molecular-beam epitaxy growth equation. Chinese Physics B, 2011, 20, 036402.	1.4	0
36	Scaling behaviour of the time-fractional Kardar–Parisi–Zhang equation. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 275003.	2.1	6

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37	Mound morphology of the 2+1 -dimensional Wolf–Villain model caused by the step-edge diffusion effect. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 5635-5644.	2.6	1
38	Extensive numerical study of the anomalous dynamic scaling of the Wolf–Villain model. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2189-2197.	2.6	4
39	Discrete growth models on deterministic fractal substrate. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 4552-4557.	2.6	28
40	Anomalous dynamic scaling of the non-local growth equations. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 1399-1404.	2.6	1
41	Traffic accidents in a cellular automaton model with a speed limit zone. Journal of Physics A, 2006, 39, 9127-9137.	1.6	19
42	SCALING APPROACH TO ANOMALOUS SURFACE ROUGHENING OF THE (d+1)-DIMENSIONAL MOLECULAR-BEAM EPITAXY GROWTH EQUATIONS. Modern Physics Letters B, 2006, 20, 1935-1941.	1.9	7
43	Scaling analysis of the conservation growth equation with temporally correlated noise. Physica A: Statistical Mechanics and Its Applications, 2004, 338, 431-436.	2.6	3