

Juha Merikoski

List of Publications by Year in descending order

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papers

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all docs

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docs citations

22
times ranked

199
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of kinks and concerted diffusion mechanisms on mass transport and growth on stepped metal surfaces. Surface Science, 1997, 387, 167-182.	1.9	80
2	Island Diffusion on Metal fcc (100) Surfaces. Physical Review Letters, 1999, 82, 2733-2736.	7.8	75
3	Adatom dynamics and diffusion in a model of O/W(110). Physical Review B, 1998, 57, 1896-1907.	3.2	44
4	Non-Arrhenius Behavior of Surface Diffusion near a Phase Transition Boundary. Physical Review Letters, 1997, 79, 257-260.	7.8	42
5	Memory expansion for diffusion coefficients. Physical Review B, 1998, 58, 2170-2178.	3.2	40
6	Diffusion processes and growth on stepped metal surfaces. Physical Review B, 1995, 52, R8715-R8720.	3.2	31
7	Memory effects and coverage dependence of surface diffusion in a model adsorption system. Physical Review B, 1999, 59, 7697-7707.	3.2	30
8	A dynamical mean field theory for the study of surface diffusion constants. Surface Science, 1997, 380, L501-L505.	1.9	26
9	Non-equilibrium surface diffusion in the system. Surface Science, 1996, 366, L697-L702.	1.9	21
10	Phase Transitions on Markovian Bipartite Graphs—an Application of the Zero-range Process. Journal of Statistical Physics, 2005, 119, 881-907.	1.2	13
11	Comment on “Surface diffusion near the points corresponding to continuous phase transitions” [J. Chem. Phys. 109, 3197 (1998)]. Journal of Chemical Physics, 1999, 111, 11232-11233.	3.0	12
12	Vattulainen et al. Reply. Physical Review Letters, 1998, 80, 5456-5456.	7.8	10
13	Polymer dynamics in time-dependent periodic potentials. Physical Review E, 2008, 77, 061131.	2.1	7
14	Comment on “Finite-size scaling behavior of the tracer surface diffusion coefficient near a second-order phase transition” by F. Nieto et al.. Europhysics Letters, 2000, 51, 361-362.	2.0	5
15	Phase Transitions on Markovian Bipartite Graphs?an Application of the Zero-range Process. Journal of Statistical Physics, 2005, , .	1.2	4
16	Roughness of two nonintersecting one-dimensional interfaces. Physical Review E, 2007, 76, 041607.	2.1	4
17	Characteristics of the polymer transport in ratchet systems. Physical Review E, 2010, 81, 041112.	2.1	3
18	Accelerated transport and growth with symmetrized dynamics. Physical Review E, 2013, 88, 062137.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Diffusion between evolving interfaces. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 465402.	1.8	2
20	Finite-size effects in dynamics of zero-range processes. <i>Physical Review E</i> , 2010, 82, 031119.	2.1	2
21	Single-layer metal-on-metal islands driven by strong time-dependent forces. <i>Physical Review E</i> , 2012, 85, 011107.	2.1	2
22	Totally asymmetric exclusion process fed by using a non-Poissonian clock. <i>Physical Review E</i> , 2015, 91, 062101.	2.1	0