

Per Arne Rikvold

List of Publications by Year in Descending Order

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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.

203
papers

4,855
citations

37
h-index

59
g-index

210
ext. papers

5,059
ext. citations

3.1
avg. IF

5.38
L-index

#	Paper	IF	Citations
203	Adjustable reach in a network centrality based on current flows. <i>Physical Review E</i> , 2021 , 103, 052308	2.4	1
202	Absorbing random walks interpolating between centrality measures on complex networks. <i>Physical Review E</i> , 2020 , 101, 012302	2.4	2
201	Complete catalog of ground-state diagrams for the general three-state lattice-gas model with nearest-neighbor interactions on a square lattice. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 6216-6223	3.6	3
200	Conservation of population size is required for self-organized criticality in evolution models. <i>New Journal of Physics</i> , 2018 , 20, 083023	2.9	3
199	Multistability in an unusual phase diagram induced by the competition between antiferromagnetic-like short-range and ferromagnetic-like long-range interactions. <i>Physical Review B</i> , 2018 , 98,	3.3	6
198	Fluctuations in a model ferromagnetic film driven by a slowly oscillating field with a constant bias. <i>Physical Review B</i> , 2017 , 96,	3.3	15
197	Nontrivial phase diagram for an elastic interaction model of spin crossover materials with antiferromagnetic-like short-range interactions. <i>Physical Review B</i> , 2017 , 96,	3.3	10
196	Macroscopically constrained Wang-Landau method for systems with multiple order parameters and its application to drawing complex phase diagrams. <i>Physical Review E</i> , 2017 , 95, 053302	2.4	9
195	Phase diagrams and free-energy landscapes for model spin-crossover materials with antiferromagnetic-like nearest-neighbor and ferromagnetic-like long-range interactions. <i>Physical Review B</i> , 2017 , 96,	3.3	6
194	Density of states for systems with multiple order parameters: a constrained Wang-Landau method. <i>Journal of Physics: Conference Series</i> , 2017 , 921, 012019	0.3	1
193	Equilibrium, metastability, and hysteresis in a model spin-crossover material with nearest-neighbor antiferromagnetic-like and long-range ferromagnetic-like interactions. <i>Physical Review B</i> , 2016 , 93,	3.3	16
192	Monte Carlo simulations of the critical properties of a Ziff-Gulari-Barshad model of catalytic CO oxidation with long-range reactivity. <i>Physical Review E</i> , 2015 , 91, 012103	2.4	10
191	Shape effects on the cluster spreading process of spin-crossover compounds analyzed within an elastic model with Eden and Kawasaki dynamics. <i>Physical Review B</i> , 2015 , 91,	3.3	23
190	Fluctuations and Universality in a Catalysis Model with Long-range Reactivity. <i>Physics Procedia</i> , 2015 , 68, 20-24		1
189	Centrality Fingerprints for Power Grid Network Growth Models. <i>Physics Procedia</i> , 2015 , 68, 52-55		2
188	A model for the catalytic oxidation of CO that includes CO desorption and diffusion, O repulsion, and impurities in the gas phase. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 424, 217-224	3.3	10
187	A Universal Lifetime Distribution for Multi-Species Systems. <i>Springer Proceedings in Complexity</i> , 2015 , 175-186	0.3	2

186	Architecture of the Florida power grid as a complex network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 401, 130-140	3.3	21
185	Phase Separation on a Hyperbolic Lattice. <i>Physics Procedia</i> , 2014 , 53, 82-89		1
184	Monte Carlo Studies of the Ising Antiferromagnet with a Ferromagnetic Mean-field Term. <i>Physics Procedia</i> , 2014 , 57, 20-23		4
183	Effects of lateral diffusion on the dynamics of desorption. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 379-384	2.6	2
182	Dynamics of desorption with lateral diffusion. <i>Journal of Chemical Physics</i> , 2013 , 139, 124706	3.9	
181	Model for the catalytic oxidation of CO, including gas-phase impurities and CO desorption. <i>Physical Review E</i> , 2013 , 88, 012132	2.4	14
180	Modeling power grids. <i>Physics Procedia</i> , 2012 , 34, 119-123		5
179	Critical temperature and correlation length of an elastic interaction model for spin-crossover materials. <i>Physical Review B</i> , 2012 , 85,	3.3	29
178	Effects of inert species in the gas phase in a model for the catalytic oxidation of CO. <i>Physical Review E</i> , 2012 , 85, 031143	2.4	14
177	Parameter estimation by Density Functional Theory for a lattice-gas model of Br and Cl chemisorption on Ag (100). <i>Journal of Electroanalytical Chemistry</i> , 2011 , 662, 130-136	4.1	8
176	Kinetic Monte Carlo simulations of a model for heat-assisted magnetization reversal in ultrathin films. <i>Physical Review B</i> , 2011 , 84,	3.3	16
175	Floridian high-voltage power-grid network partitioning and cluster optimization using simulated annealing. <i>Physics Procedia</i> , 2011 , 15, 2-6		7
174	Macroscopic nucleation phenomena in continuum media with long-range interactions. <i>Scientific Reports</i> , 2011 , 1, 162	4.9	52
173	Crossover between a short-range and a long-range Ising model. <i>Physical Review B</i> , 2011 , 84,	3.3	29
172	A New Charging Method for Li-Ion Batteries: Dependence of the Charging Time on the Direction of an Additional Oscillating Field. <i>ECS Transactions</i> , 2010 , 33, 33-37	1	
171	Asymptotic forms and scaling properties of the relaxation time near threshold points in spinodal-type dynamical phase transitions. <i>Physical Review E</i> , 2010 , 81, 011135	2.4	27
170	Effects of demographic stochasticity on biological community assembly on evolutionary time scales. <i>Physical Review E</i> , 2010 , 81, 041908	2.4	10
169	Two modes of magnetization switching in a simulated iron nanopillar in an obliquely oriented field. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 236001	1.8	1

168	A new battery-charging method suggested by molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 2740-3	3.6	16
167	The effect of positive interactions on community structure in a multi-species metacommunity model along an environmental gradient. <i>Ecological Modelling</i> , 2010 , 221, 885-894	3	32
166	Degree correlations in a dynamically generated model food web. <i>Physics Procedia</i> , 2010 , 3, 1487-1492		1
165	Spectral matrix methods for partitioning power grids: Applications to the Italian and Floridian high-voltage networks. <i>Physics Procedia</i> , 2010 , 4, 125-129		9
164	Random walk in genome space: a key ingredient of intermittent dynamics of community assembly on evolutionary time scales. <i>Journal of Theoretical Biology</i> , 2010 , 264, 663-72	2.3	17
163	Positive interactions and the emergence of community structure in metacommunities. <i>Journal of Theoretical Biology</i> , 2010 , 266, 419-29	2.3	16
162	Effects of stochastic population fluctuations in two models of biological macroevolution. <i>Physics Procedia</i> , 2010 , 6, 76-79		
161	Are genetically robust regulatory networks dynamically different from random ones?. <i>Physics Procedia</i> , 2010 , 7, 93-97		
160	COMPLEX BEHAVIOR IN SIMPLE MODELS OF BIOLOGICAL COEVOLUTION. <i>International Journal of Modern Physics C</i> , 2009 , 20, 1387-1397	1.1	2
159	Effect of CO desorption and coadsorption with O on the phase diagram of a Ziff-Gulari-Barshad model for the catalytic oxidation of CO. <i>Journal of Chemical Physics</i> , 2009 , 131, 184704	3.9	14
158	Resolution-dependent mechanisms for bimodal switching-time distributions in simulated Fe nanopillars. <i>Physical Review B</i> , 2009 , 79,	3.3	4
157	Threshold phenomena under photoexcitation of spin-crossover materials with cooperativity due to elastic interactions. <i>Physical Review B</i> , 2009 , 80,	3.3	35
156	Complex dynamics in coevolution models with ratio-dependent functional response. <i>Ecological Complexity</i> , 2009 , 6, 443-452	2.6	6
155	New type of ordering process with volume change of molecules in the spin-crossover transition, and its new aspects of dynamical processes. <i>Journal of Physics: Conference Series</i> , 2009 , 148, 012027	0.3	7
154	First-order Reversal Curve Analysis of Kinetic Monte Carlo Simulations of First- and Second-order Phase Transitions. <i>Springer Proceedings in Physics</i> , 2009 , 89-93	0.2	1
153	Applications of Computer Simulations and Statistical Mechanics in Surface Electrochemistry. <i>Modern Aspects of Electrochemistry</i> , 2009 , 131-149		1
152	Community-driven dispersal in an individual-based predator-prey model. <i>Ecological Complexity</i> , 2008 , 5, 238-251	2.6	8
151	Evidence for a dynamic phase transition in [Co/Pt] ₃ magnetic multilayers. <i>Physical Review B</i> , 2008 , 78,	3.3	103

150	Realization of the mean-field universality class in spin-crossover materials. <i>Physical Review B</i> , 2008 , 77,	3.3	102
149	Dynamic phase transition in the two-dimensional kinetic Ising model in an oscillating field: universality with respect to the stochastic dynamics. <i>Physical Review E</i> , 2008 , 78, 051108	2.4	35
148	Chaotic gene regulatory networks can be robust against mutations and noise. <i>Journal of Theoretical Biology</i> , 2008 , 253, 323-32	2.3	26
147	Network growth with preferential attachment for high indegree and low outdegree. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008 , 387, 2631-2636	3.3	2
146	Reply to Remarks on the simulation of Cl electrosorption on Ag(1 0 0) reported in <i>Electrochimica Acta</i> 50 (2005) 5518. <i>Electrochimica Acta</i> , 2007 , 52, 1932-1935	6.7	8
145	New cyclic voltammetry method for examining phase transitions: Simulated results. <i>Journal of Electroanalytical Chemistry</i> , 2007 , 607, 61-68	4.1	3
144	Self-optimization, community stability, and fluctuations in two individual-based models of biological coevolution. <i>Journal of Mathematical Biology</i> , 2007 , 55, 653-77	2	27
143	Nanostructure and velocity of field-driven solid-on-solid interfaces moving under a phonon-assisted dynamic. <i>Physical Review B</i> , 2007 , 76,	3.3	6
142	Finite-Temperature Simulations for Magnetic Nanostructures. <i>Springer Series in Materials Science</i> , 2007 , 97-117	0.9	
141	Individual-based predator-prey model for biological coevolution: fluctuations, stability, and community structure. <i>Physical Review E</i> , 2007 , 75, 051920	2.4	19
140	Effects of preference for attachment to low-degree nodes on the degree distributions of a growing directed network and a simple food-web model. <i>Physical Review E</i> , 2006 , 73, 056115	2.4	7
139	Microstructure and velocity of field-driven solid-on-solid interfaces moving under stochastic dynamics with local energy barriers. <i>Physical Review B</i> , 2006 , 73,	3.3	9
138	Multifractal behavior of the Korean stock-market index KOSPI. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006 , 364, 355-361	3.3	41
137	Kinetic Monte Carlo simulations of electrodeposition: Crossover from continuous to instantaneous homogeneous nucleation within Avrami law. <i>Surface Science</i> , 2006 , 600, 2470-2487	1.8	19
136	Response of a model of CO oxidation with CO desorption and diffusion to a periodic external CO pressure. <i>Computational and Theoretical Chemistry</i> , 2006 , 769, 189-192		14
135	Field-driven solid-on-solid interfaces moving under a stochastic Arrhenius dynamics: Effects of the barrier height. <i>Computational and Theoretical Chemistry</i> , 2006 , 769, 207-210		4
134	First-order reversal curve analysis of homogeneous nucleation in the two-dimensional kinetic Ising model. <i>Journal of Applied Physics</i> , 2005 , 97, 10E510	2.5	9
133	Surface scaling analysis of hydrogels: From multiaffine to self-affine scaling. <i>Microelectronics Journal</i> , 2005 , 36, 913-916	1.8	3

132	Cl electrosorption on Ag(1 0 0): Lateral interactions and electrosorption valency from comparison of Monte Carlo simulations with chronocoulometry experiments. <i>Electrochimica Acta</i> , 2005 , 50, 5518-5525	6.7	21
131	Effects of correlated interactions in a biological coevolution model with individual-based dynamics. <i>Journal of Physics A</i> , 2005 , 38, 9475-9489		17
130	Fluctuations in models of biological macroevolution (Invited Paper) 2005 ,		3
129	Effects of lateral diffusion on morphology and dynamics of a microscopic lattice-gas model of pulsed electrodeposition. <i>Journal of Chemical Physics</i> , 2005 , 122, 064705	3.9	21
128	Reversal modes of simulated iron nanopillars in an obliquely oriented field. <i>Journal of Applied Physics</i> , 2005 , 97, 10E520	2.5	4
127	Response of a catalytic reaction to periodic variation of the CO pressure: increased CO ₂ production and dynamic phase transition. <i>Physical Review E</i> , 2005 , 71, 016120	2.4	37
126	Decay of metastable phases in a model for the catalytic oxidation of CO. <i>Physical Review E</i> , 2005 , 71, 031603	2.4	33
125	Low-temperature nucleation in a kinetic Ising model under different stochastic dynamics with local energy barriers. <i>Journal of Chemical Physics</i> , 2004 , 121, 4193-202	3.9	29
124	First-principles calculations for the adsorption of water molecules on the Cu(100) surface. <i>Physical Review B</i> , 2004 , 70,	3.3	36
123	Fluctuations and correlations in an individual-based model of biological coevolution. <i>Journal of Physics A</i> , 2004 , 37, 5135-5155		21
122	Determination of the basic timescale in kinetic Monte Carlo simulations by comparison with cyclic-voltammetry experiments. <i>Surface Science</i> , 2004 , 572, L355-L361	1.8	11
121	Projective dynamics analysis of magnetization reversal. <i>Physica B: Condensed Matter</i> , 2004 , 343, 195-199	2.8	2
120	Angular dependence of switching properties in single Fe nanopillars. <i>Journal of Applied Physics</i> , 2004 , 95, 6666-6668	2.5	4
119	Low-temperature nucleation in a kinetic Ising model with soft stochastic dynamics. <i>Physical Review Letters</i> , 2004 , 92, 015701	7.4	31
118	Ab initio Monte Carlo simulations for finite-temperature properties: application to lithium clusters and bulk liquid lithium. <i>Computational Materials Science</i> , 2004 , 29, 145-151	3.2	13
117	Flicker Noise in a Model of Coevolving Biological Populations. <i>Springer Proceedings in Physics</i> , 2004 , 34-37	2.2	2
116	EXTREME LONG-TIME DYNAMIC MONTE CARLO SIMULATIONS FOR METASTABLE DECAY IN THE d=3 ISING FERROMAGNET. <i>International Journal of Modern Physics C</i> , 2003 , 14, 121-131	1.1	10
115	Scaling analysis of polyacrylamide gel surfaces synthesized in the presence of surfactants. <i>Journal of Colloid and Interface Science</i> , 2003 , 258, 186-97	9.3	8

114	Electrosorption of Br and Cl on Ag(1 0 0): experiments and computer simulations. <i>Journal of Electroanalytical Chemistry</i> , 2003 , 554-555, 211-219	4.1	33
113	Microstructure and velocity of field-driven Ising interfaces moving under a soft stochastic dynamic. <i>Physical Review E</i> , 2003 , 67, 066113	2.4	16
112	Transition state in magnetization reversal. <i>Journal of Applied Physics</i> , 2003 , 93, 6817-6819	2.5	6
111	Punctuated equilibria and 1/f noise in a biological coevolution model with individual-based dynamics. <i>Physical Review E</i> , 2003 , 68, 031913	2.4	55
110	Update statistics in conservative parallel-discrete-event simulations of asynchronous systems. <i>Physical Review E</i> , 2003 , 68, 046705	2.4	5
109	Suppressing roughness of virtual times in parallel discrete-event simulations. <i>Science</i> , 2003 , 299, 677-9	3.3	113
108	Fine-Grid Simulations of Thermally Activated Switching in Nanoscale Magnets. <i>Springer Proceedings in Physics</i> , 2003 , 20-23	0.2	
107	Determining the Saddle Point in Micromagnetic Models of Magnetization Switching. <i>Springer Proceedings in Physics</i> , 2003 , 24-28	0.2	
106	Effect of defects on the line shape of electron paramagnetic resonance signals from the single-molecule magnet Mn12: A theoretical study. <i>Journal of Chemical Physics</i> , 2002 , 117, 11292-11300	3.9	2
105	Microstructure and velocity of field-driven solid-on-solid interfaces: analytic approximations and numerical results. <i>Physical Review E</i> , 2002 , 66, 066116	2.4	19
104	Scaling analysis of a divergent prefactor in the metastable lifetime of a square-lattice Ising ferromagnet at low temperatures. <i>Physical Review E</i> , 2002 , 66, 056101	2.4	12
103	Electron paramagnetic resonance linewidths and line shapes for the molecular magnets Fe8 and Mn12. <i>Journal of Applied Physics</i> , 2002 , 91, 7167	2.5	21
102	Ab initio calculations for bromine adlayers on the Ag(100) and Au(100) surfaces: The c(2x2) structure. <i>Physical Review B</i> , 2002 , 65,	3.3	24
101	Surface scaling analysis of a frustrated spring-network model for surfactant-templated hydrogels. <i>Physical Review E</i> , 2002 , 66, 046119	2.4	5
100	Numerical confirmation of late-time $t(1/2)$ growth in three-dimensional phase ordering. <i>Physical Review E</i> , 2002 , 65, 036137	2.4	15
99	Large-scale computer investigations of finite-temperature nucleation and growth phenomena in magnetization reversal and hysteresis (invited). <i>Journal of Applied Physics</i> , 2002 , 91, 6908	2.5	15
98	Defects, Tunneling, and EPR Spectra of Single-Molecule Magnets. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 746, 1		
97	Absence of first-order transition and tricritical point in the dynamic phase diagram of a spatially extended bistable system in an oscillating field. <i>Physical Review E</i> , 2002 , 66, 056127	2.4	106

96	Soft versus hard dynamics for field-driven solid-on-solid interfaces. <i>Journal of Physics A</i> , 2002 , 35, L117-L123	26
95	Halide adsorption on single-crystal silver substrates: dynamic simulations and ab initio density functional theory. <i>Faraday Discussions</i> , 2002 , 53-69; discussion 97-127	3.6 19
94	Dynamics of Magnetization Reversal in Models of Magnetic Nanoparticles and Ultrathin Films. <i>Lecture Notes in Physics</i> , 2002 , 164-182	0.8 1
93	Role of dipolar and exchange interactions in the positions and widths of EPR transitions for the single-molecule magnets Fe ₈ and Mn ₁₂ . <i>Physical Review B</i> , 2002 , 66,	3.3 56
92	Frustrated Spring-Network Model for Crosslinked Polymer Surfaces. <i>Springer Proceedings in Physics</i> , 2002 , 265-269	0.2
91	Dynamic Phase Diagram for a Periodically Driven Kinetic Square-lattice Ising Ferromagnet: Finite-size Scaling Evidence for the Absence of a Tri-critical Point. <i>Springer Proceedings in Physics</i> , 2002 , 34-39	0.2
90	First-Principles Parameter Estimation for Dynamic Monte Carlo of a Lattice-Gas Model. <i>Springer Proceedings in Physics</i> , 2002 , 40-44	0.2
89	Thermal and dynamic effects in Langevin simulation of hysteresis in nanoscale pillars. <i>Physica B: Condensed Matter</i> , 2001 , 306, 117-120	2.8 5
88	Langevin simulation of thermally activated magnetization reversal in nanoscale pillars. <i>Physical Review B</i> , 2001 , 64,	3.3 63
87	Effects of D-strain, g-strain, and dipolar interactions on EPR linewidths of the molecular magnets Fe ₈ and Mn ₁₂ . <i>Physical Review B</i> , 2001 , 65,	3.3 116
86	Thermal magnetization reversal in arrays of nanoparticles. <i>Journal of Applied Physics</i> , 2001 , 89, 7588-7590	5 11
85	Dynamic phase transition, universality, and finite-size scaling in the two-dimensional kinetic Ising model in an oscillating field. <i>Physical Review E</i> , 2001 , 63, 016120	2.4 122
84	Dynamic phase transition in a time-dependent Ginzburg-Landau model in an oscillating field. <i>Physical Review E</i> , 2001 , 63, 036109	2.4 66
83	Static and dynamic Monte Carlo simulations of Br electrodeposition on Ag(100). <i>Surface Science</i> , 2001 , 471, 125-142	1.8 60
82	Going through Rough Times: from Non-Equilibrium Surface Growth to Algorithmic Scalability. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 700, 10101	
81	Hysteresis in an Electrochemical System: Br Electrodeposition on Ag(100). <i>Springer Proceedings in Physics</i> , 2001 , 189-194	0.2
80	Nonequilibrium Surface Growth and Scalability of Parallel Algorithms for Large Asynchronous Systems. <i>Springer Proceedings in Physics</i> , 2001 , 183-188	0.2 3
79	Dynamics of Br electrosorption on single-crystal Ag(100): a computational study. <i>Journal of Electroanalytical Chemistry</i> , 2000 , 493, 68-74	4.1 35

78	Analytic Approximations for the Velocity of Field-Driven Ising Interfaces. <i>Journal of Statistical Physics</i> , 2000 , 100, 377-403	1.5	33
77	Micromagnetic simulations of thermally activated magnetization reversal of nanoscale magnets. <i>Journal of Applied Physics</i> , 2000 , 87, 4792-4794	2.5	23
76	From massively parallel algorithms and fluctuating time horizons to nonequilibrium surface growth. <i>Physical Review Letters</i> , 2000 , 84, 1351-4	7.4	72
75	Simulations of metastable decay in two- and three-dimensional models with microscopic dynamics. <i>Journal of Non-Crystalline Solids</i> , 2000 , 274, 356-363	3.9	17
74	Simulation of magnetization switching in biaxial single-domain ferromagnetic particles. <i>IEEE Transactions on Magnetics</i> , 2000 , 36, 231-240	2	1
73	Dynamic Phase Transition and Hysteresis in Kinetic Ising Models. <i>Springer Proceedings in Physics</i> , 2000 , 105-119	0.2	
72	Test of the Kolmogorov-Johnson-Mehl-Avrami picture of metastable decay in a model with microscopic dynamics. <i>Physical Review B</i> , 1999 , 59, 9053-9069	3.3	88
71	Evolution of speckle during spinodal decomposition. <i>Physical Review E</i> , 1999 , 60, 5151-62	2.4	18
70	Slow forcing in the projective dynamics method. <i>Computer Physics Communications</i> , 1999 , 121-122, 330-333	3.3	9
69	Parallelization of a Dynamic Monte Carlo Algorithm: A Partially Rejection-Free Conservative Approach. <i>Journal of Computational Physics</i> , 1999 , 153, 488-508	4.1	49
68	Kinetic Ising model in an oscillating field: Avrami theory for the hysteretic response and finite-size scaling for the dynamic phase transition. <i>Physical Review E</i> , 1999 , 59, 2710-2729	2.4	114
67	Simulated Dynamics of Underpotential Deposition of Cu with Sulfate on Au(111). <i>Journal of the Electrochemical Society</i> , 1999 , 146, 1035-1040	3.9	36
66	Magnetization switching in single-domain ferromagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 177-181, 917-918	2.8	4
65	Equilibrium and non-equilibrium applications of lattice-gas models in electrochemistry. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998 , 134, 3-14	5.1	15
64	Kinetic Ising Model in an Oscillating Field: Finite-Size Scaling at the Dynamic Phase Transition. <i>Physical Review Letters</i> , 1998 , 81, 834-837	7.4	176
63	Stochastic hysteresis and resonance in a kinetic Ising system. <i>Physical Review E</i> , 1998 , 57, 6512-6533	2.4	79
62	Projection Method for Statics and Dynamics of Lattice Spin Systems. <i>Physical Review Letters</i> , 1998 , 80, 3384-3387	7.4	32
61	Universality and scaling for the structure factor in dynamic order-disorder transitions. <i>Physical Review E</i> , 1998 , 58, 5501-5507	2.4	11

60	Hysteresis loop areas in kinetic Ising models: Effects of the switching mechanism. <i>Journal of Applied Physics</i> , 1998 , 83, 6494-6496	2.5	18
59	Computer Simulations of Thermal Switching in Small-Grain Ferromagnets. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 517, 279		
58	Nucleation Theory of Magnetization Switching in Nanoscale Ferromagnets 1998 , 307-316		6
57	Kinetic Ising system in an oscillating external field: Stochastic resonance and residence-time distributions. <i>Journal of Applied Physics</i> , 1997 , 81, 5597-5599	2.5	23
56	Speckle from phase-ordering systems. <i>Physical Review E</i> , 1997 , 56, 6601-6612	2.4	49
55	Effects of boundary conditions on magnetization switching in kinetic Ising models of nanoscale ferromagnets. <i>Physical Review B</i> , 1997 , 55, 11521-11540	3.3	37
54	Monte Carlo simulation of magnetization reversal in Fe sesquilayers on W(110). <i>Physical Review B</i> , 1997 , 56, 11791-11796	3.3	19
53	Monte Carlo Simulation of Magnetization Reversal Via Domain-Wall Motion in Fe Sesquilayers on W(110). <i>Materials Research Society Symposia Proceedings</i> , 1997 , 492, 313		3
52	Magnetization switching in nanoscale ferromagnetic grains: Simulations with heterogeneous nucleation. <i>Journal of Applied Physics</i> , 1997 , 81, 5600-5602	2.5	8
51	Numerical simulations of scattering speckle from phase ordering systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997 , 239, 363-372	3.3	3
50	Response of a kinetic Ising system to oscillating external fields: Amplitude and frequency dependence. <i>Journal of Applied Physics</i> , 1996 , 79, 6482	2.5	23
49	Kinetic Ising systems as models of magnetization switching in submicron ferromagnets. <i>Journal of Applied Physics</i> , 1996 , 79, 5749	2.5	12
48	Lattice-Gas Models of Electrochemical Adsorption: Static and Dynamic Aspects. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 451, 69		2
47	Underpotential deposition of Cu on Au(111) in sulfate-containing electrolytes: A theoretical and experimental study. <i>Journal of Chemical Physics</i> , 1996 , 104, 5699-5712	3.9	69
46	Lattice-gas models of adsorption in the double layer. <i>Electrochimica Acta</i> , 1996 , 41, 2175-2184	6.7	38
45	Analytical and computational study of magnetization switching in kinetic Ising systems with demagnetizing fields. <i>Physical Review B</i> , 1996 , 54, 4113-4127	3.3	27
44	Magnetization switching in nanoscale ferromagnetic grains: description by a kinetic Ising model. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 150, 37-50	2.8	63
43	Method to study relaxation of metastable phases: Macroscopic mean-field dynamics. <i>Physical Review E</i> , 1995 , 52, 356-372	2.4	36

42	Computational lattice-gas modeling of the electrosorption of small molecules and ions. <i>Surface Science</i> , 1995 , 335, 389-400	1.8	48
41	RECENT RESULTS ON THE DECAY OF METASTABLE PHASES 1995 , 149-191		7
40	Numerical transfer-matrix study of a model with competing metastable states. <i>Physical Review E</i> , 1994 , 50, 1930-1947	2.4	19
39	Finite-range-scaling analysis of metastability in an Ising model with long-range interactions. <i>Physical Review E</i> , 1994 , 49, 2711-2725	2.4	10
38	Application of a constrained-transfer-matrix method to metastability in the $d = 2$ Ising ferromagnet. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1994 , 212, 194-229	3.3	24
37	Metastable lifetimes in a kinetic Ising model: Dependence on field and system size. <i>Physical Review E</i> , 1994 , 49, 5080-5090	2.4	198
36	Adsorption of urea on the Pt(100) electrode: experiments and lattice-gas modeling. <i>Surface Science</i> , 1993 , 297, L135-L140	1.8	31
35	Numerical transfer-matrix study of metastability in the $d=2$ Ising model. <i>Physical Review Letters</i> , 1993 , 71, 3898-3901	7.4	27
34	Numerical transfer-matrix study of surface-tension anisotropy in Ising models on square and cubic lattices. <i>Physical Review B</i> , 1993 , 48, 14584-14598	3.3	7
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