List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Metastable lifetimes in a kinetic Ising model: Dependence on field and system size. Physical Review E, 1994, 49, 5080-5090.	2.1	218
2	Kinetic Ising Model in an Oscillating Field: Finite-Size Scaling at the Dynamic Phase Transition. Physical Review Letters, 1998, 81, 834-837.	7.8	204
3	Dynamic phase transition, universality, and finite-size scaling in the two-dimensional kinetic Ising model in an oscillating field. Physical Review E, 2000, 63, 016120.	2.1	136
4	Kinetic Ising model in an oscillating field: Avrami theory for the hysteretic response and finite-size scaling for the dynamic phase transition. Physical Review E, 1999, 59, 2710-2729.	2.1	125
5	Suppressing Roughness of Virtual Times in Parallel Discrete-Event Simulations. Science, 2003, 299, 677-679.	12.6	125
6	Effects ofD-strain,g-strain, and dipolar interactions on EPR linewidths of the molecular magnetsFe8andMn12. Physical Review B, 2001, 65, .	3.2	121
7	Evidence for a dynamic phase transition in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mo>[</mml:mo><mml:mrow><mml:n multilavers. Physical Review B. 2008. 78</mml:n </mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:math 	ntext>Co<	:/ <mark>118</mark> nl:mtex
8	Absence of first-order transition and tricritical point in the dynamic phase diagram of a spatially extended bistable system in an oscillating field. Physical Review E, 2002, 66, 056127.	2.1	116
9	Realization of the mean-field universality class in spin-crossover materials. Physical Review B, 2008, 77,	3.2	113
10	Test of the Kolmogorov-Johnson-Mehl-Avrami picture of metastable decay in a model with microscopic dynamics. Physical Review B, 1999, 59, 9053-9069.	3.2	96
11	Stochastic hysteresis and resonance in a kinetic Ising system. Physical Review E, 1998, 57, 6512-6533.	2.1	83
12	Scaling Function for the Structure Factor in First-Order Phase Transitions. Physical Review Letters, 1982, 49, 286-289.	7.8	81
13	Underpotential deposition of Cu on Au(111) in sulfateâ€containing electrolytes: A theoretical and experimental study. Journal of Chemical Physics, 1996, 104, 5699-5712.	3.0	80
14	From Massively Parallel Algorithms and Fluctuating Time Horizons to Nonequilibrium Surface Growth. Physical Review Letters, 2000, 84, 1351-1354.	7.8	77
15	Finite-size scaling study of a lattice-gas model for oxygen chemisorbed on tungsten. Physical Review B, 1984, 29, 6285-6294.	3.2	72
16	Dynamic phase transition in a time-dependent Ginzburg-Landau model in an oscillating field. Physical Review E, 2001, 63, 036109.	2.1	70
17	Finite-size-scaling study of a two-dimensional lattice-gas model with a tricritical point. Physical Review B, 1983, 28, 2686-2692.	3.2	69
18	Simulations of a stochastic model for cluster growth on a square lattice. Physical Review A, 1982, 26, 647-650.	2.5	68

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19	Magnetization switching in nanoscale ferromagnetic grains: description by a kinetic Ising model. Journal of Magnetism and Magnetic Materials, 1995, 150, 37-50.	2.3	68
20	Numerical investigation of a model for oxygen ordering inYBa2Cu3O6+x. Physical Review B, 1990, 41, 8772-8791.	3.2	66
21	Langevin simulation of thermally activated magnetization reversal in nanoscale pillars. Physical Review B, 2001, 64, .	3.2	65
22	Static and dynamic Monte Carlo simulations of Br electrodeposition on Ag(100). Surface Science, 2001, 471, 125-142.	1.9	63
23	Macroscopic nucleation phenomena in continuum media with long-range interactions. Scientific Reports, 2011, 1, 162.	3.3	61
24	D-dimensional interpenetrable-sphere models of random two-phase media: Microstructure and an application to chromatography. Journal of Colloid and Interface Science, 1985, 108, 158-173.	9.4	60
25	Speckle from phase-ordering systems. Physical Review E, 1997, 56, 6601-6612.	2.1	60
26	Role of dipolar and exchange interactions in the positions and widths of EPR transitions for the single-molecule magnetsFe8andMn12. Physical Review B, 2002, 66, .	3.2	58
27	Punctuated equilibria and1/fnoise in a biological coevolution model with individual-based dynamics. Physical Review E, 2003, 68, 031913.	2.1	58
28	Three-state lattice gas on a triangular lattice as a model for multicomponent adsorption. Surface Science, 1988, 203, 500-524.	1.9	55
29	Finite-size scaling analysis of theS=1Ising model on the triangular lattice. Physical Review B, 1988, 38, 6741-6750.	3.2	55
30	Phase diagram for the antiferromagnetic Blume-Capel model near tricriticality. Physical Review B, 1992, 45, 7237-7243.	3.2	53
31	Parallelization of a Dynamic Monte Carlo Algorithm: A Partially Rejection-Free Conservative Approach. Journal of Computational Physics, 1999, 153, 488-508.	3.8	52
32	Porosity and specific surface for interpenetrableâ€sphere models of twoâ€phase random media. Journal of Chemical Physics, 1985, 82, 1014-1020.	3.0	50
33	Computational lattice-gas modeling of the electrosorption of small molecules and ions. Surface Science, 1995, 335, 389-400.	1.9	48
34	Effects of boundary conditions on magnetization switching in kinetic Ising models of nanoscale ferromagnets. Physical Review B, 1997, 55, 11521-11540.	3.2	44
35	Multifractal behavior of the Korean stock-market index KOSPI. Physica A: Statistical Mechanics and Its Applications, 2006, 364, 355-361.	2.6	44
36	Dynamics of Br electrosorption on single-crystal Ag(100): a computational study. Journal of Electroanalytical Chemistry, 2000, 493, 68-74.	3.8	43

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37	Dynamic phase transition in the two-dimensional kinetic Ising model in an oscillating field: Universality with respect to the stochastic dynamics. Physical Review E, 2008, 78, 051108.	2.1	41
38	Simulated Dynamics of Underpotential Deposition of Cu with Sulfate on Au(111). Journal of the Electrochemical Society, 1999, 146, 1035-1040.	2.9	40
39	Lattice-gas models of adsorption in the double layer. Electrochimica Acta, 1996, 41, 2175-2184.	5.2	39
40	First-principles calculations for the adsorption of water molecules on theCu(100)surface. Physical Review B, 2004, 70, .	3.2	39
41	Response of a catalytic reaction to periodic variation of the CO pressure: IncreasedCO2production and dynamic phase transition. Physical Review E, 2005, 71, 016120.	2.1	39
42	Structural phase transitions and oxygen-oxygen interaction energies inYBa2Cu3O6+x. Physical Review B, 1992, 46, 381-389.	3.2	38
43	Method to study relaxation of metastable phases: Macroscopic mean-field dynamics. Physical Review E, 1995, 52, 356-372.	2.1	38
44	A model for adsorption of O on Mo(110): Phase transitions with nonuniversal behavior. Journal of Chemical Physics, 1991, 94, 3958-3973.	3.0	37
45	Cyclic voltammetry of platinum single crystal electrodes in solutions containing urea. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 315, 301-306.	0.1	36
46	Threshold phenomena under photoexcitation of spin-crossover materials with cooperativity due to elastic interactions. Physical Review B, 2009, 80, .	3.2	36
47	Kinetic Ising system in an oscillating external field: Stochastic resonance and residence-time distributions. Journal of Applied Physics, 1997, 81, 5597-5599.	2.5	35
48	Analytic Approximations for the Velocity of Field-Driven Ising Interfaces. Journal of Statistical Physics, 2000, 100, 377-403.	1.2	35
49	The effect of positive interactions on community structure in a multi-species metacommunity model along an environmental gradient. Ecological Modelling, 2010, 221, 885-894.	2.5	35
50	Electrosorption of Br and Cl on Ag(1 0 0): experiments and computer simulations. Journal of Electroanalytical Chemistry, 2003, 554-555, 211-219.	3.8	34
51	Decay of metastable phases in a model for the catalytic oxidation of CO. Physical Review E, 2005, 71, 031603.	2.1	34
52	Lateral interactions in catalyst poisoning. Surface Science, 1989, 221, 277-298.	1.9	33
53	Numerical transfer-matrix study of metastability in thed=2 Ising model. Physical Review Letters, 1993, 71, 3898-3901.	7.8	33
54	Projection Method for Statics and Dynamics of Lattice Spin Systems. Physical Review Letters, 1998, 80, 3384-3387.	7.8	33

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55	Low-Temperature Nucleation in a Kinetic Ising Model with Soft Stochastic Dynamics. Physical Review Letters, 2004, 92, 015701.	7.8	33
56	Critical temperature and correlation length of an elastic interaction model for spin-crossover materials. Physical Review B, 2012, 85, .	3.2	33
57	Adsorption of urea on the Pt(100) electrode: experiments and lattice-gas modeling. Surface Science, 1993, 297, L135-L140.	1.9	32
58	Chaotic gene regulatory networks can be robust against mutations and noise. Journal of Theoretical Biology, 2008, 253, 323-332.	1.7	32
59	Asymptotic forms and scaling properties of the relaxation time near threshold points in spinodal-type dynamical phase transitions. Physical Review E, 2010, 81, 011135.	2.1	31
60	Crossover between a short-range and a long-range Ising model. Physical Review B, 2011, 84, .	3.2	31
61	Low-temperature nucleation in a kinetic Ising model under different stochastic dynamics with local energy barriers. Journal of Chemical Physics, 2004, 121, 4193-4202.	3.0	30
62	Application of a constrained-transfer-matrix method to metastability in the d = 2 Ising ferromagnet. Physica A: Statistical Mechanics and Its Applications, 1994, 212, 194-229.	2.6	28
63	Analytical and computational study of magnetization switching in kinetic Ising systems with demagnetizing fields. Physical Review B, 1996, 54, 4113-4127.	3.2	28
64	Micromagnetic simulations of thermally activated magnetization reversal of nanoscale magnets. Journal of Applied Physics, 2000, 87, 4792-4794.	2.5	28
65	Self-optimization, community stability, and fluctuations in two individual-based models of biological coevolution. Journal of Mathematical Biology, 2007, 55, 653-677.	1.9	28
66	Soft versus hard dynamics for field-driven solid-on-solid interfaces. Journal of Physics A, 2002, 35, L117-L123.	1.6	27
67	Shape effects on the cluster spreading process of spin-crossover compounds analyzed within an elastic model with Eden and Kawasaki dynamics. Physical Review B, 2015, 91, .	3.2	27
68	Kinetics of the order-disorder herringbone transition. Physical Review B, 1984, 29, 4420-4425.	3.2	26
69	Ab initiocalculations for bromine adlayers on the Ag(100) and Au(100) surfaces: Thec(2×2)structure. Physical Review B, 2002, 65, .	3.2	26
70	Architecture of the Florida power grid as a complex network. Physica A: Statistical Mechanics and Its Applications, 2014, 401, 130-140.	2.6	24
71	Lateral interactions and enhanced adsorption. Surface Science, 1991, 249, 180-193.	1.9	23
72	Macroscopic effects of local oxygen fluctuations inYBa2Cu3O6+x. Physical Review B, 1991, 43, 202-209.	3.2	23

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73	Numerical transfer-matrix study of a model with competing metastable states. Physical Review E, 1994, 50, 1930-1947.	2.1	23
74	Response of a kinetic Ising system to oscillating external fields: Amplitude and frequency dependence. Journal of Applied Physics, 1996, 79, 6482.	2.5	23
75	Fluctuations in a model ferromagnetic film driven by a slowly oscillating field with a constant bias. Physical Review B, 2017, 96, .	3.2	23
76	First-order structural phase transitions in a lattice-gas model forYBa2Cu3O6+x. Physical Review B, 1990, 42, 10738-10741.	3.2	22
77	Evolution of speckle during spinodal decomposition. Physical Review E, 1999, 60, 5151-5162.	2.1	22
78	Fluctuations and correlations in an individual-based model of biological coevolution. Journal of Physics A, 2004, 37, 5135-5155.	1.6	22
79	Cl electrosorption on Ag(1 0 0): Lateral interactions and electrosorption valency from comparison of Monte Carlo simulations with chronocoulometry experiments. Electrochimica Acta, 2005, 50, 5518-5525.	5.2	22
80	Effects of lateral diffusion on morphology and dynamics of a microscopic lattice-gas model of pulsed electrodeposition. Journal of Chemical Physics, 2005, 122, 064705.	3.0	22
81	Spinodals and transfer matrices ind=1models. Physical Review B, 1986, 33, 7729-7737.	3.2	21
82	POLYDISPERSITY IN FLUIDS, DISPERSIONS, AND COMPOSITES; SOME THEORETICAL RESULTS. Chemical Engineering Communications, 1987, 51, 233-260.	2.6	21
83	Effects of lateral interactions in multicomponent adsorption. Electrochimica Acta, 1991, 36, 1689-1694.	5.2	21
84	Electron paramagnetic resonance linewidths and line shapes for the molecular magnets Fe[sub 8] and Mn[sub 12]. Journal of Applied Physics, 2002, 91, 7167.	2.5	21
85	Microstructure and velocity of field-driven solid-on-solid interfaces: Analytic approximations and numerical results. Physical Review E, 2002, 66, 066116.	2.1	20
86	Halide adsorption on single-crystal silver substrates: dynamic simulations and ab initio density functional theory. Faraday Discussions, 2002, 121, 53-69.	3.2	20
87	Random walk in genome space: A key ingredient of intermittent dynamics of community assembly on evolutionary time scales. Journal of Theoretical Biology, 2010, 264, 663-672.	1.7	20
88	Equilibrium, metastability, and hysteresis in a model spin-crossover material with nearest-neighbor antiferromagnetic-like and long-range ferromagnetic-like interactions. Physical Review B, 2016, 93, .	3.2	20
89	Monte Carlo simulation of magnetization reversal in Fe sesquilayers on W(110). Physical Review B, 1997, 56, 11791-11796.	3.2	19
90	Hysteresis loop areas in kinetic Ising models: Effects of the switching mechanism. Journal of Applied Physics, 1998, 83, 6494-6496.	2.5	19

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91	Kinetic Monte Carlo simulations of electrodeposition: Crossover from continuous to instantaneous homogeneous nucleation within Avrami's law. Surface Science, 2006, 600, 2470-2487.	1.9	19
92	Individual-based predator-prey model for biological coevolution: Fluctuations, stability, and community structure. Physical Review E, 2007, 75, 051920.	2.1	19
93	A new battery-charging method suggested by molecular dynamics simulations. Physical Chemistry Chemical Physics, 2010, 12, 2740.	2.8	19
94	Simulations of metastable decay in two- and three-dimensional models with microscopic dynamics. Journal of Non-Crystalline Solids, 2000, 274, 356-363.	3.1	18
95	Effects of correlated interactions in a biological coevolution model with individual-based dynamics. Journal of Physics A, 2005, 38, 9475-9489.	1.6	18
96	Effect of CO desorption and coadsorption with O on the phase diagram of a Ziff–Gulari–Barshad model for the catalytic oxidation of CO. Journal of Chemical Physics, 2009, 131, 184704.	3.0	18
97	Positive interactions and the emergence of community structure in metacommunities. Journal of Theoretical Biology, 2010, 266, 419-429.	1.7	18
98	Kinetic Monte Carlo simulations of a model for heat-assisted magnetization reversal in ultrathin films. Physical Review B, 2011, 84, .	3.2	18
99	Effects of inert species in the gas phase in a model for the catalytic oxidation of CO. Physical Review E, 2012, 85, 031143.	2.1	18
100	Microstructure and velocity of field-driven Ising interfaces moving under a soft stochastic dynamic. Physical Review E, 2003, 67, 066113.	2.1	17
101	Numerical confirmation of late-timet1/2growth in three-dimensional phase ordering. Physical Review E, 2002, 65, 036137.	2.1	16
102	Large-scale computer investigations of finite-temperature nucleation and growth phenomena in magnetization reversal and hysteresis (invited). Journal of Applied Physics, 2002, 91, 6908.	2.5	16
103	Ab initio Monte Carlo simulations for finite-temperature properties: application to lithium clusters and bulk liquid lithium. Computational Materials Science, 2004, 29, 145-151.	3.0	16
104	Response of a model of CO oxidation with CO desorption and diffusion to a periodic external CO pressure. Computational and Theoretical Chemistry, 2006, 769, 189-192.	1.5	16
105	Equilibrium and non-equilibrium applications of lattice-gas models in electrochemistry. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 134, 3-14.	4.7	15
106	Model for the catalytic oxidation of CO, including gas-phase impurities and CO desorption. Physical Review E, 2013, 88, 012132.	2.1	15
107	Kinetic Ising systems as models of magnetization switching in submicron ferromagnets. Journal of Applied Physics, 1996, 79, 5749.	2.5	14
108	Floridian high-voltage power-grid network partitioning and cluster optimization using simulated annealing. Physics Procedia, 2011, 15, 2-6.	1.2	14

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109	Monte Carlo simulations of the critical properties of a Ziff-Gulari-Barshad model of catalytic CO oxidation with long-range reactivity. Physical Review E, 2015, 91, 012103.	2.1	14
110	Nontrivial phase diagram for an elastic interaction model of spin crossover materials with antiferromagnetic-like short-range interactions. Physical Review B, 2017, 96, .	3.2	14
111	Determination of multicritcal points for lattice-gas models by finite-size scaling of the susceptibility. Physical Review B, 1985, 32, 4756-4759.	3.2	13
112	Some applications of lattice-gas models to electrochemical adsorption. Physica Scripta, 1992, T44, 71-76.	2.5	13
113	Universality and scaling for the structure factor in dynamic order-disorder transitions. Physical Review E, 1998, 58, 5501-5507.	2.1	13
114	Scaling analysis of a divergent prefactor in the metastable lifetime of a square-lattice Ising ferromagnet at low temperatures. Physical Review E, 2002, 66, 056101.	2.1	13
115	A model for the catalytic oxidation of CO that includes CO desorption and diffusion, O repulsion, and impurities in the gas phase. Physica A: Statistical Mechanics and Its Applications, 2015, 424, 217-224.	2.6	13
116	Thermal magnetization reversal in arrays of nanoparticles. Journal of Applied Physics, 2001, 89, 7588-7590.	2.5	12
117	Determination of the basic timescale in kinetic Monte Carlo simulations by comparison with cyclic-voltammetry experiments. Surface Science, 2004, 572, L355-L361.	1.9	11
118	Spectral matrix methods for partitioning power grids: Applications to the Italian and Floridian high-voltage networks. Physics Procedia, 2010, 4, 125-129.	1.2	11
119	Polydispersity in fluids and composites: Some theoretical results. International Journal of Thermophysics, 1986, 7, 863-876.	2.1	10
120	Nonequilibrium Aspects of Transfer Matrices. Progress of Theoretical Physics Supplement, 1989, 99, 95-106.	0.1	10
121	Finite-range-scaling analysis of metastability in an Ising model with long-range interactions. Physical Review E, 1994, 49, 2711-2725.	2.1	10
122	EXTREME LONG-TIME DYNAMIC MONTE CARLO SIMULATIONS FOR METASTABLE DECAY IN THE d=3 ISING FERROMAGNET. International Journal of Modern Physics C, 2003, 14, 121-131.	1.7	10
123	First-order reversal curve analysis of homogeneous nucleation in the two-dimensional kinetic Ising model. Journal of Applied Physics, 2005, 97, 10E510.	2.5	10
124	Effects of demographic stochasticity on biological community assembly on evolutionary time scales. Physical Review E, 2010, 81, 041908.	2.1	10
125	Macroscopically constrained Wang-Landau method for systems with multiple order parameters and its application to drawing complex phase diagrams. Physical Review E, 2017, 95, 053302.	2.1	10

126 RECENT RESULTS ON THE DECAY OF METASTABLE PHASES., 1995, , 149-191.

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127	Numerical transfer-matrix study of surface-tension anisotropy in Ising models on square and cubic lattices. Physical Review B, 1993, 48, 14584-14598.	3.2	9
128	Critical finite-range scaling in scalar-field theories and Ising models. Physical Review E, 1993, 47, 1474-1485.	2.1	9
129	Magnetization switching in nanoscale ferromagnetic grains: Simulations with heterogeneous nucleation. Journal of Applied Physics, 1997, 81, 5600-5602.	2.5	9
130	Slow forcing in the projective dynamics method. Computer Physics Communications, 1999, 121-122, 330-333.	7.5	9
131	Scaling analysis of polyacrylamide gel surfaces synthesized in the presence of surfactants. Journal of Colloid and Interface Science, 2003, 258, 186-197.	9.4	9
132	Microstructure and velocity of field-driven solid-on-solid interfaces moving under stochastic dynamics with local energy barriers. Physical Review B, 2006, 73, .	3.2	9
133	Community-driven dispersal in an individual-based predator–prey model. Ecological Complexity, 2008, 5, 238-251.	2.9	9
134	Multistability in an unusual phase diagram induced by the competition between antiferromagnetic-like short-range and ferromagnetic-like long-range interactions. Physical Review B, 2018, 98, .	3.2	9
135	Stochastic model for the dynamics of a spin-oscillator coupled system. Zeitschrift Für Physik B Condensed Matter and Quanta, 1977, 26, 195-199.	1.9	8
136	Reply to "Remarks on the simulation of Cl electrosorption on Ag(1 0 0) reported in Electrochimica A 50 (2005) 5518― Electrochimica Acta, 2007, 52, 1932-1935.	cta 5.2	8
137	Complex dynamics in coevolution models with ratio-dependent functional response. Ecological Complexity, 2009, 6, 443-452.	2.9	8
138	Parameter estimation by Density Functional Theory for a lattice-gas model of Br and Cl chemisorption on Ag (100). Journal of Electroanalytical Chemistry, 2011, 662, 130-136.	3.8	8
139	Non-equilibrium Information from Transfer Matrices. Physica Scripta, 1991, T38, 36-39.	2.5	7
140	Transition state in magnetization reversal. Journal of Applied Physics, 2003, 93, 6817-6819.	2.5	7
141	Effects of preference for attachment to low-degree nodes on the degree distributions of a growing directed network and a simple food-web model. Physical Review E, 2006, 73, 056115.	2.1	7
142	New type of ordering process with volume change of molecules in the spin-crossover transition, and its new aspects of dynamical processes. Journal of Physics: Conference Series, 2009, 148, 012027.	0.4	7
143	Modeling power grids. Physics Procedia, 2012, 34, 119-123.	1.2	7
144	Phase diagrams and free-energy landscapes for model spin-crossover materials with antiferromagnetic-like nearest-neighbor and ferromagnetic-like long-range interactions. Physical Review B, 2017, 96, .	3.2	7

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145	Complete catalog of ground-state diagrams for the general three-state lattice-gas model with nearest-neighbor interactions on a square lattice. Physical Chemistry Chemical Physics, 2019, 21, 6216-6223.	2.8	7
146	Nanostructure and velocity of field-driven solid-on-solid interfaces moving under a phonon-assisted dynamic. Physical Review B, 2007, 76, .	3.2	6
147	Nucleation Theory of Magnetization Switching in Nanoscale Ferromagnets. , 1998, , 307-316.		6
148	Thermal and dynamic effects in Langevin simulation of hysteresis in nanoscale pillars. Physica B: Condensed Matter, 2001, 306, 117-120.	2.7	5
149	Surface scaling analysis of a frustrated spring-network model for surfactant-templated hydrogels. Physical Review E, 2002, 66, 046119.	2.1	5
150	Update statistics in conservative parallel-discrete-event simulations of asynchronous systems. Physical Review E, 2003, 68, 046705.	2.1	5
151	Stochastic model for the dynamics of a spin-oscillator coupled system. Zeitschrift Für Physik B Condensed Matter and Quanta, 1978, 30, 339-344.	1.9	4
152	Three-State Lattice-Gas Model of H-S on Pt(111). Materials Research Society Symposia Proceedings, 1987, 111, 249.	0.1	4
153	Magnetization switching in single-domain ferromagnets. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 917-918.	2.3	4
154	Angular dependence of switching properties in single Fe nanopillars. Journal of Applied Physics, 2004, 95, 6666-6668.	2.5	4
155	<title>Fluctuations in models of biological macroevolution (Invited Paper)</title> ., 2005, , .		4
156	Reversal modes of simulated iron nanopillars in an obliquely oriented field. Journal of Applied Physics, 2005, 97, 10E520.	2.5	4
157	Field-driven solid-on-solid interfaces moving under a stochastic Arrhenius dynamics: Effects of the barrier height. Computational and Theoretical Chemistry, 2006, 769, 207-210.	1.5	4
158	Resolution-dependent mechanisms for bimodal switching-time distributions in simulated Fe nanopillars. Physical Review B, 2009, 79, .	3.2	4
159	Monte Carlo Studies of the Ising Antiferromagnet with a Ferromagnetic Mean-field Term. Physics Procedia, 2014, 57, 20-23.	1.2	4
160	Absorbing random walks interpolating between centrality measures on complex networks. Physical Review E, 2020, 101, 012302.	2.1	4
161	Monte Carlo Simulation of Magnetization Reversal Via Domain-Wall Motion in Fe Sesquilayers on W(110). Materials Research Society Symposia Proceedings, 1997, 492, 313.	0.1	3
162	Numerical simulations of scattering speckle from phase ordering systems. Physica A: Statistical Mechanics and Its Applications, 1997, 239, 363-372.	2.6	3

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163	Projective dynamics analysis of magnetization reversal. Physica B: Condensed Matter, 2004, 343, 195-199.	2.7	3
164	Surface scaling analysis of hydrogels: From multiaffine to self-affine scaling. Microelectronics Journal, 2005, 36, 913-916.	2.0	3
165	New cyclic voltammetry method for examining phase transitions: Simulated results. Journal of Electroanalytical Chemistry, 2007, 607, 61-68.	3.8	3
166	COMPLEX BEHAVIOR IN SIMPLE MODELS OF BIOLOGICAL COEVOLUTION. International Journal of Modern Physics C, 2009, 20, 1387-1397.	1.7	3
167	Effects of lateral diffusion on the dynamics of desorption. Journal of Solid State Electrochemistry, 2013, 17, 379-384.	2.5	3
168	Centrality Fingerprints for Power Grid Network Growth Models. Physics Procedia, 2015, 68, 52-55.	1.2	3
169	Conservation of population size is required for self-organized criticality in evolution models. New Journal of Physics, 2018, 20, 083023.	2.9	3
170	Nonequilibrium Surface Growth and Scalability of Parallel Algorithms for Large Asynchronous Systems. Springer Proceedings in Physics, 2001, , 183-188.	0.2	3
171	Flicker Noise in a Model of Coevolving Biological Populations. Springer Proceedings in Physics, 2004, , 34-37.	0.2	3
172	Lattice-Gas Models of Electrochemical Adsorption: Static and Dynamic Aspects. Materials Research Society Symposia Proceedings, 1996, 451, 69.	0.1	2
173	Effect of defects on the line shape of electron paramagnetic resonance signals from the single-molecule magnet Mn12:â€,A theoretical study. Journal of Chemical Physics, 2002, 117, 11292-11300.	3.0	2
174	Dynamics of Magnetization Reversal in Models of Magnetic Nanoparticles and Ultrathin Films. Lecture Notes in Physics, 2002, , 164-182.	0.7	2
175	Network growth with preferential attachment for high indegree and low outdegree. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 2631-2636.	2.6	2
176	Degree correlations in a dynamically generated model food web. Physics Procedia, 2010, 3, 1487-1492.	1.2	2
177	Adjustable reach in a network centrality based on current flows. Physical Review E, 2021, 103, 052308.	2.1	2
178	Applications of Computer Simulations and Statistical Mechanics in Surface Electrochemistry. Modern Aspects of Electrochemistry, 2009, , 131-149.	0.2	2
179	A Universal Lifetime Distribution for Multi-Species Systems. Springer Proceedings in Complexity, 2015, , 175-186.	0.3	2
180	Dynamical scaling in the order-disorder herringbone transition. Surface Science, 1985, 152-153, 859-867.	1.9	1

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181	Metastability and transfer-matrix finite-range scaling. AIP Conference Proceedings, 1992, , .	0.4	1
182	Simulation of magnetization switching in biaxial single-domain ferromagnetic particles. IEEE Transactions on Magnetics, 2000, 36, 231-240.	2.1	1
183	A Biological Coevolution Model with Correlated Individual-Based Dynamics. , 2006, , 90-94.		1
184	EC-FORC: A New Cyclic-Voltammetry Based Method for Examining Phase Transitions and Predicting Equilibrium. ECS Transactions, 2007, 6, 53-60.	0.5	1
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