

Eduard Vives

List of Publications by Year in descending order

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159
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159
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159
times ranked

2283
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermo-magnetic characterization of phase transitions in a Ni-Mn-In metamagnetic shape memory alloy. Journal of Alloys and Compounds, 2021, 887, 161395.	2.8	5
2	Heat sink avalanche dynamics in elastocaloric Cu-Al-Ni single crystal detected by infrared calorimetry and Gaussian filtering. Applied Physics Letters, 2021, 119, .	1.5	1
3	Elastocaloric effect in vulcanized natural rubber and natural/wastes rubber blends. Polymer, 2021, 236, 124309.	1.8	17
4	Maximum Likelihood Estimation of Power-Law Exponents for Testing Universality in Complex Systems. SEMA SIMAI Springer Series, 2021, , 65-89.	0.4	0
5	Tracking the dynamics of power sources and sinks during the martensitic transformation of a Cu-Al-Ni single crystal. Applied Physics Letters, 2020, 116, .	1.5	9
6	Concurrent tracking of strain and noise bursts at ferroelastic phase fronts. Communications Materials, 2020, 1, .	2.9	8
7	Suppression of acoustic emission during superelastic tensile cycling of polycrystalline $\text{Ni}_{50.4}\text{Mn}_{49.6}$. Physical Review Materials, 2020, 4, .	0.9	50.4
8	Scale-invariant avalanche dynamics in the temperature-driven martensitic transition of a Cu-Al-Be single crystal. Physical Review B, 2019, 99, .	1.1	12
9	Change of crackling noise in granite by thermal damage: Monitoring nuclear waste deposits. American Mineralogist, 2019, 104, 1578-1584.	0.9	15
10	Criticality in failure under compression: Acoustic emission study of coal and charcoal with different microstructures. Physical Review E, 2019, 99, 033001.	0.8	22
11	Avalanche mixing and the simultaneous collapse of two media under uniaxial stress. Physical Review E, 2019, 99, 023002.	0.8	10
12	Universality of power-law exponents by means of maximum-likelihood estimation. Physical Review E, 2019, 100, 062106.	0.8	8
13	Relations between stress drops and acoustic emission measured during mechanical loading. Physical Review Materials, 2019, 3, .	0.9	11
14	Increasing power-law range in avalanche amplitude and energy distributions. Physical Review E, 2018, 97, 022134.	0.8	11
15	Coexistence of a well-determined kinetic law and a scale-invariant power law during the same physical process. Physical Review B, 2018, 97, .	1.1	7
16	Crossover from three-dimensional to two-dimensional systems in the nonequilibrium zero-temperature random-field Ising model. Physical Review E, 2018, 97, 012109.	0.8	21
17	The Giant Elastocaloric Effect in a Cu-Zn-Al Shape-Memory Alloy: a Calorimetric Study. Physica Status Solidi (B): Basic Research, 2018, 255, 1700422.	0.7	24
18	Acoustic emission avalanches during compression of granular manganites. Applied Physics Letters, 2018, 112, 251906.	1.5	5

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19	Experimental Evidence of Accelerated Seismic Release without Critical Failure in Acoustic Emissions of Compressed Nanoporous Materials. <i>Physical Review Letters</i> , 2018, 120, 245501.	2.9	34
20	Geometrical model for martensitic phase transitions: Understanding criticality and weak universality during microstructure growth. <i>Physical Review E</i> , 2017, 95, 013001.	0.8	7
21	Analysis of crackling noise using the maximum-likelihood method: Power-law mixing and exponential damping. <i>Physical Review E</i> , 2017, 96, 042122.	0.8	56
22	Avalanche criticality in thermal-driven martensitic transitions: the asymmetry of the forward and reverse transitions in shape-memory materials. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 334001.	0.7	11
23	Dominance of Metric Correlations in Two-Dimensional Neuronal Cultures Described through a Random Field Ising Model. <i>Physical Review Letters</i> , 2017, 118, 208101.	2.9	25
24	Towards a Quantitative Analysis of Crackling Noise by Strain Drop Measurements. <i>Understanding Complex Systems</i> , 2017, , 59-76.	0.3	1
25	Elastocaloric effect in Ti-Ni shape-memory wires associated with the B2 \rightarrow B19' and B2 \rightarrow R structural transitions. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	53
26	Understanding the Thermodynamic Properties of the Elastocaloric Effect Through Experimentation and Modelling. <i>Shape Memory and Superelasticity</i> , 2016, 2, 317-329.	1.1	70
27	Fracking and labquakes. <i>Philosophical Magazine</i> , 2016, 96, 3686-3696.	0.7	15
28	Avalanches and force drops in displacement-driven compression of porous glasses. <i>Physical Review E</i> , 2016, 94, 033005.	0.8	24
29	Avalanche criticalities and elastic and calorimetric anomalies of the transition from cubic Cu-Al-Ni to a mixture of \langle math xmlns:mml="http://www.w3.org/1998/Math/MathML"> < mml:mrow > < mml:mn > 18 </ mml:mn > < mml:mi > R </ mml:mi > </ mml:mrow > </ math> Physical Review B, 2016, 94, .	1.4	29
30	Influence of the aspect ratio and boundary conditions on universal finite-size scaling functions in the athermal metastable two-dimensional random field Ising model. <i>Physical Review E</i> , 2016, 93, 022129.	0.8	9
31	Avalanche criticality during compression of porcine cortical bone of different ages. <i>Physical Review E</i> , 2016, 93, 053001.	0.8	22
32	Model risk on credit risk. <i>Risk and Decision Analysis</i> , 2016, 6, 65-78.	0.4	5
33	Criticality in the slowed-down boiling crisis at zero gravity. <i>Physical Review E</i> , 2015, 91, 053007.	0.8	9
34	Avalanches in compressed Ti-Ni shape-memory porous alloys: An acoustic emission study. <i>Physical Review E</i> , 2015, 91, 060401.	0.8	39
35	The Elastocaloric Effect: A Way to Cool Efficiently. <i>Advanced Energy Materials</i> , 2015, 5, 1500361.	10.2	234
36	Caloric and Multicaloric Effects in Shape Memory Alloys. <i>Materials Today: Proceedings</i> , 2015, 2, S477-S484.	0.9	22

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37	Local strain variability and force fluctuations during the martensitic transition under different driving mechanisms. <i>Physical Review B</i> , 2015, 92, .	1.1	2
38	Large entropy change associated with the elastocaloric effect in polycrystalline Ni-Mn-Sb-Co magnetic shape memory alloys. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	82
39	Localizing sources of acoustic emission during the martensitic transformation. <i>Physical Review B</i> , 2014, 89, .	1.1	34
40	Publisher's Note: Avalanches in compressed porous SiO ₂ -based materials [Phys. Rev. E90, 022405 (2014)]. <i>Physical Review E</i> , 2014, 90, .	0.8	1
41	Avalanches in compressed porous SiO ₂ -based materials. <i>Physical Review E</i> , 2014, 90, 022405.	0.8	76
42	Avalanche correlations in the martensitic transition of a Cu-Zn-Al shape memory alloy: analysis of acoustic emission and calorimetry. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 125401.	0.7	31
43	Predicting failure: acoustic emission of berlinite under compression. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 275401.	0.7	44
44	Acoustic emission in martensitic transformations. <i>Journal of Alloys and Compounds</i> , 2013, 577, S699-S704.	2.8	55
45	Simultaneous detection of acoustic emission and Barkhausen noise during the martensitic transition of a Ni-Mn-Ga magnetic shape-memory alloy. <i>Physical Review B</i> , 2013, 88, .	1.1	24
46	Statistical Similarity between the Compression of a Porous Material and Earthquakes. <i>Physical Review Letters</i> , 2013, 110, 088702.	2.9	213
47	Noise of collapsing minerals: Predictability of the compressional failure in goethite mines. <i>American Mineralogist</i> , 2013, 98, 609-615.	0.9	53
48	Large temperature span and giant refrigerant capacity in elastocaloric Cu-Zn-Al shape memory alloys. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	185
49	Crackling noise during failure of alumina under compression: the effect of porosity. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 292202.	0.7	48
50	Analysis of power-law exponents by maximum-likelihood maps. <i>Physical Review E</i> , 2012, 85, 066121.	0.8	49
51	Tuning avalanche criticality: Acoustic emission during the martensitic transformation of a compressed Ni-Mn-Ga single crystal. <i>Physical Review B</i> , 2012, 86, .	1.1	34
52	Boiling Crisis as a Critical Phenomenon. <i>Physical Review Letters</i> , 2012, 108, 215701.	2.9	47
53	Metastability, Hysteresis, Avalanches, and Acoustic Emission: Martensitic Transitions in Functional Materials. <i>Springer Series in Materials Science</i> , 2012, , 249-272.	0.4	4
54	Temperature contour maps at the strain-induced martensitic transition of a Cu-Zn-Al shape-memory single crystal. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	55

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55	Imaging the dynamics of martensitic transitions using acoustic emission. Physical Review B, 2011, 84, .	1.1	20
56	Failure mechanism in porous materials under compression: crackling noise in mesoporous SiO ₂ . Philosophical Magazine Letters, 2011, 91, 554-560.	0.5	68
57	Avalanche criticality in the martensitic transition of Cu . Physical Review B, 2010, 81, .	1.1	114
58	Stress- and magnetic field-induced entropy changes in Fe-doped Ni-Mn-Ga shape-memory alloys. Applied Physics Letters, 2010, 96, .	1.5	43
59	Work distributions in the T=0 random field Ising model. Physical Review E, 2009, 79, 021123.	0.8	1
60	Hysteresis in the T=0 random-field Ising model: Beyond metastable dynamics. Physical Review E, 2009, 79, 061116.	0.8	6
61	Correlations in avalanche critical points. Physical Review E, 2009, 80, 011105.	0.8	5
62	Driving-induced crossover in the avalanche criticality of martensitic transitions. Physical Review B, 2009, 80, .	1.1	25
63	Premartensitic transition in Ni alloys: Acoustic emission study. Physical Review B, 2009, 80, .	1.1	41
64	An acoustic emission study of the effect of a magnetic field on the martensitic transition in Ni ₂ MnGa. Applied Physics Letters, 2009, 94, .	1.5	21
65	Statistics of microstructure formation in structural transitions studied using a random-field Potts model with dipolar-like interactions. Journal of Statistical Mechanics: Theory and Experiment, 2009, P05009.	0.9	1
66	THE USE OF SHAPE-MEMORY ALLOYS FOR MECHANICAL REFRIGERATION. Functional Materials Letters, 2009, 02, 73-78.	0.7	59
67	In-situ observations of a martensitic transformation in a Cu-Zn-Al single crystal driven by stress or strain. Journal of Materials Science, 2008, 43, 3832-3836.	1.7	5
68	Learning through cycling in martensitic phase transitions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 481-482, 223-226.	2.6	1
69	Acoustic emission in the fcc-fct martensitic transition of Fe . Physical Review B, 2008, 78, .	1.1	32
70	Elastocaloric Effect Associated with the Martensitic Transition in Shape-Memory Alloys. Physical Review Letters, 2008, 100, 125901.	2.9	421
71	Acoustic emission and energy dissipation during front propagation in a stress-driven martensitic transition. Physical Review B, 2008, 78, .	1.1	37
72	Random-field Potts model with dipolarlike interactions: Hysteresis, avalanches, and microstructure. Physical Review B, 2008, 77, .	1.1	15

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73	Hysteresis in a system driven by either generalized force or displacement variables: Martensitic phase transition in single-crystalline $\text{Cu}^{1-x}\text{Zn}^x\text{Al}$. <i>Physical Review B</i> , 2007, 76, .	1.1	28
74	Diluted three-dimensional random field Ising model at zero temperature with metastable dynamics. <i>Physical Review B</i> , 2006, 74, .	1.1	4
75	Acoustic emission across the magnetostructural transition of the giant magnetocaloric $\text{Gd}_5\text{Si}_2\text{Ge}_2$. <i>Physical Review B</i> , 2006, 73, .	1.1	20
76	Zero-temperature hysteresis in a random-field Ising model on a Bethe lattice: Approach to mean-field behavior with increasing coordination number. <i>Physical Review B</i> , 2006, 73, .	1.1	12
77	Magnetization-driven random-field Ising model at $T=0$. <i>Physical Review B</i> , 2006, 74, .	1.1	13
78	Influence of the driving mechanism on the response of systems with athermal dynamics: The example of the random-field Ising model. <i>Physical Review B</i> , 2006, 74, .	1.1	21
79	Long range Ising model for credit risk modeling. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	9
80	Hysteresis and avalanches in the $T=0$ random-field Ising model with two-spin-flip dynamics. <i>Physical Review B</i> , 2005, 71, .	1.1	19
81	Exact calculation of the energy contributions to the $T=0$ random-field Ising model with metastable dynamics on the Bethe lattice. <i>Physical Review B</i> , 2005, 71, .	1.1	8
82	Direct observation of the magnetic-field-induced entropy change in $\text{Gd}_5(\text{SixGe}_{1-x})_4$ giant magnetocaloric alloys. <i>Applied Physics Letters</i> , 2005, 86, 262504.	1.5	53
83	Spanning avalanches in the three-dimensional Gaussian random-field Ising model with metastable dynamics: ϵ Field dependence and geometrical properties. <i>Physical Review B</i> , 2004, 70, .	1.1	65
84	Kinetics of martensitic transitions in shape-memory alloys. <i>Scripta Materialia</i> , 2004, 50, 181-186.	2.6	43
85	Dynamics of the first-order magnetostructural transition in $\text{Gd}_5(\text{Si}_x\text{Ge}_{1-x})_4$. <i>European Physical Journal B</i> , 2004, 40, 427-431.	0.6	23
86	Statistical properties of pinning fields in the 3d-Gaussian RFIM. <i>Physica B: Condensed Matter</i> , 2004, 343, 308-313.	1.3	2
87	Criticality in $\text{Cu}^{1-x}\text{Al}^x\text{Mn}$ hysteresis loops. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E515-E516.	1.0	3
88	A simple lattice model for hysteresis loops with exchange bias. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 703-704.	1.0	1
89	Calorimetric and acoustic emission study of the premartensitic and martensitic transitions in $\text{Ni}^{1-x}\text{Mn}^x\text{Ga}$. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 378, 353-356.	2.6	12
90	Avalanche properties of the 3d-RFIM. <i>Physica B: Condensed Matter</i> , 2004, 343, 281-285.	1.3	5

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91	Kinetics of martensitic transitions in Cu-Al-Mn under thermal cycling: Analysis at multiple length scales. <i>Physical Review B</i> , 2004, 69, .	1.1	58
92	Driving Rate Effects in Avalanche-Mediated First-Order Phase Transitions. <i>Physical Review Letters</i> , 2004, 93, 195701.	2.9	75
93	Statistical mechanics in the extended Gaussian ensemble. <i>Physical Review E</i> , 2003, 68, 056113.	0.8	32
94	Disorder-induced critical phenomena in magnetically glassy Cu-Al-Mn alloys. <i>Physical Review B</i> , 2003, 67, .	1.1	17
95	Finite-size scaling analysis of the avalanches in the three-dimensional Gaussian random-field Ising model with metastable dynamics. <i>Physical Review B</i> , 2003, 67, .	1.1	74
96	Acoustic emission study of martensitic transition kinetics in Cu-based shape-memory alloys. <i>European Physical Journal Special Topics</i> , 2003, 112, 597-600.	0.2	1
97	Metastable random-field Ising model with exchange enhancement: A simple model for exchange bias. <i>Physical Review B</i> , 2002, 66, .	1.1	12
98	“Avalanches” in the ground state of the 3D Gaussian random field Ising model driven by an external field. <i>Computer Physics Communications</i> , 2002, 147, 455-458.	3.0	10
99	Entropic Formulation of Statistical Mechanics. <i>Journal of Statistical Physics</i> , 2002, 106, 827-850.	0.5	11
100	Athermal Character of Structural Phase Transitions. <i>Physical Review Letters</i> , 2001, 87, 195701.	2.9	99
101	Hysteresis and avalanches in the random anisotropy Ising model. <i>Physical Review B</i> , 2001, 63, .	1.1	50
102	Magnetic phase separation in ordered alloys. <i>Physical Review B</i> , 2001, 63, .	1.1	9
103	An Algorithm for Finding the First Excited State in the Random-Field Ising Model. <i>Journal of Computational Physics</i> , 2001, 168, 219-226.	1.9	4
104	Is Tsallis Thermodynamics Nonextensive?. <i>Physical Review Letters</i> , 2001, 88, 020601.	2.9	44
105	Mean field and Monte Carlo simulation studies of premartensitic effects in Ni ₂ MnGa. <i>European Physical Journal Special Topics</i> , 2001, 11, Pr8-299-Pr8-304.	0.2	0
106	Efficient Algorithm for Finding Ground-States in the Random Field Ising Model with an External Field. <i>Journal of Computational Physics</i> , 2000, 160, 117-125.	1.9	20
107	Hysteresis and avalanches in the site-diluted Ising model: comparison with experimental results in Cu _{1-x} Al _x Mn alloys. <i>Physica B: Condensed Matter</i> , 2000, 275, 45-49.	1.3	8
108	Hysteresis and avalanches in disordered systems. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 221, 164-171.	1.0	26

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109	Studying avalanches in the ground state of the two-dimensional random-field Ising model driven by an external field. <i>Physical Review E</i> , 2000, 62, 7470-7473.	0.8	12
110	Acoustic Emission at the Premartensitic and Martensitic Transitions of Ni ₂ MnGa Shape Memory Alloy. <i>Materials Science Forum</i> , 2000, 327-328, 481-484.	0.3	5
111	Vacancy-assisted domain growth in asymmetric binary alloys: A Monte Carlo study. <i>Physical Review B</i> , 1999, 60, 3920-3927.	1.1	14
112	Comparison between molecular dynamics and Monte Carlo simulations of an ordering process in a binary alloy. <i>Physical Review B</i> , 1999, 59, 11121-11124.	1.1	3
113	Numerical signs for a transition in the two-dimensional random field Ising model at T=0. <i>Physical Review E</i> , 1999, 59, R1295-R1298.	0.8	30
114	Modeling premartensitic effects in Ni ₂ MnGa: A mean-field and Monte Carlo simulation study. <i>Physical Review B</i> , 1999, 60, 7071-7084.	1.1	76
115	Computer studies of the 2D random field Ising model at T=0. <i>Computer Physics Communications</i> , 1999, 121-122, 188-190.	3.0	7
116	Spin-glass phase in the intermetallic Cu _{1-x} Al _x Mn compound. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 196-197, 634-636.	1.0	2
117	Magnetic hysteresis in the Cu-Al-Mn intermetallic alloy: Experiments and modeling. <i>Physical Review B</i> , 1999, 59, 13901-13910.	1.1	11
118	Ordering Processes in FCC and BCC Binary Alloys: A Comparative Study. <i>Materials Science Forum</i> , 1998, 269-272, 675-680.	0.3	0
119	Experimental Evidence for Universality of Acoustic Emission Avalanche Distributions during Structural Transitions. <i>Physical Review Letters</i> , 1998, 81, 1889-1892.	2.9	93
120	Effect of the vacancy interaction on antiphase domain growth in a two-dimensional binary alloy. <i>Physical Review B</i> , 1997, 56, 5261-5270.	1.1	11
121	Monte Carlo study of the growth of L ₁₂ -ordered domains in fccA ₃ B binary alloys. <i>Physical Review B</i> , 1997, 55, 212-225.	1.1	23
122	Unified mean-field study of ferro- and antiferromagnetic behavior of the Ising model with external field. <i>American Journal of Physics</i> , 1997, 65, 907-913.	0.3	16
123	Degenerate Blume-Emery-Griffiths model for the martensitic transformation. <i>Physical Review B</i> , 1996, 53, 8915-8921.	1.1	33
124	Vibrational behavior of bcc Cu-based shape-memory alloys close to the martensitic transition. <i>Physical Review B</i> , 1996, 53, 3039-3046.	1.1	38
125	Comment on "Kinetics of spinodal decomposition in the Ising model with vacancy diffusion". <i>Physical Review B</i> , 1996, 53, 2886-2889.	1.1	15
126	Spin Glass Model for the Study of Avalanches in Martensitic Transformations. <i>European Physical Journal Special Topics</i> , 1995, 05, C2-65-C2-70.	0.2	1

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127	Experiments and Models of Avalanches in Martensites. European Physical Journal Special Topics, 1995, 05, C8-209-C8-214.	0.2	7
128	Sequential partitioning: An alternative to understanding size distributions of avalanches in first-order phase transitions. Physical Review E, 1995, 52, 5671-5674.	0.8	8
129	Monte Carlo simulation of interface alloying. Physical Review B, 1995, 51, 11369-11375.	1.1	4
130	Universality in models for disorder-induced phase transitions. Physical Review E, 1995, 52, R5-R8.	0.8	57
131	Statistics of avalanches in martensitic transformations. II. Modeling. Physical Review B, 1995, 52, 12651-12656.	1.1	20
132	Statistics of avalanches in martensitic transformations. I. Acoustic emission experiments. Physical Review B, 1995, 52, 12644-12650.	1.1	39
133	Distribution of Acoustic Emission Avalanches in Martensitic Transformations. European Physical Journal Special Topics, 1995, 05, C2-59-C2-64.	0.2	0
134	Antiphase domain growth in BCC metallic alloys via vacancies. European Physical Journal B, 1994, 96, 79-86.	0.6	13
135	Distributions of avalanches in martensitic transformations. Physical Review Letters, 1994, 72, 1694-1697.	2.9	205
136	Avalanches in a fluctuationless first-order phase transition in a random-bond Ising model. Physical Review B, 1994, 50, 3839-3848.	1.1	90
137	Theory and Monte Carlo simulation of adsorbates on corrugated surfaces. Surface Science Letters, 1993, 284, L449-L454.	0.1	0
138	Theory and Monte Carlo simulation of adsorbates on corrugated surfaces. Surface Science, 1993, 284, L449-L454.	0.8	5
139	ORDERING KINETICS BY VACANCIES. International Journal of Modern Physics C, 1993, 04, 701-720.	0.8	13
140	Monte Carlo study of the relation between vacancy diffusion and domain growth in two-dimensional binary alloys. Physical Review B, 1993, 48, 9321-9326.	1.1	18
141	Vacancy-driven ordering in a two-dimensional binary alloy. Physical Review B, 1993, 47, 2557-2562.	1.1	21
142	Theory and simulation of epitaxial rotation: Light particles adsorbed on graphite. Physical Review B, 1993, 47, 7431-7445.	1.1	21
143	Neutron diffraction study of long-range atomic order in Cu-Zn-Al shape memory alloys. Journal of Physics Condensed Matter, 1992, 4, 553-559.	0.7	37
144	Kinetics of a vacancy-driven order-disorder transition in a two-dimensional binary alloy. Physical Review Letters, 1992, 68, 812-815.	2.9	32

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145	Two Dimensional Solids and Liquids Influenced by Small and Large Substrate Potential. Physica Scripta, 1991, T38, 70-74.	1.2	0
146	Critical behavior of a system with orientational and positional degrees of freedom: A Monte Carlo simulation study. Physical Review B, 1991, 43, 13335-13341.	1.1	4
147	Substrate influence on two-dimensional solids and liquids: A Monte Carlo simulation study. Physical Review B, 1991, 44, 1318-1328.	1.1	22
148	Diffusionless first-order phase transitions in systems with frozen configurational degrees of freedom. Physical Review B, 1991, 44, 6715-6722.	1.1	7
149	Monte Carlo Simulation Study of a Smectic-Nematic-like Transition in a Two-dimensional Lattice Gas Model of Cylindrical Particles. Physica Scripta, 1991, T38, 75-78.	1.2	0
150	Monte Carlo Study of the Critical Behaviour of a System with Coupled Phase Transitions. Physica Scripta, 1990, T33, 176-179.	1.2	1
151	Elastic constants of BCC binary alloys near the A3B composition and their relation to martensitic transitions. Journal of Physics Condensed Matter, 1990, 2, 1743-1752.	0.7	3
152	Lattice-gas model of particles with orientational and positional degrees of freedom: Mean-field treatment. Physical Review A, 1990, 41, 1885-1892.	1.0	5
153	Lattice-gas model of orientable molecules: Application to liquid crystals. Physical Review A, 1988, 38, 5391-5400.	1.0	8
154	Acoustic Emission Avalanches in Martensitic Transitions: New Perspectives for the Problem of Source Location. Solid State Phenomena, 0, 172-174, 144-149.	0.3	4
155	Calorimetric Study of Avalanche Criticality in the Martensitic Phase Transition of $\text{Cu}_{67.64}\text{Zn}_{16.71}\text{Al}_{15.65}$. Materials Science Forum, 0, 738-739, 46-50.	0.3	0
156	Stress- and Strain-Driven Martensitic Transitions: An Acoustic Emission Study in Single-Crystalline Cu-Zn-Al. , 0, , 425-428.		0