N G Almarza

List of Publications by Year
in descending order

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79	1,375	331259	395343
papers	citations	21	33
		h-index	g-index

80	80	80	831
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assembly of trivalent particles under confinement: from an exotic solid phase to a liquid phase at low temperature. Soft Matter, 2017, 13, 3221-3229.	1.2	5
2	Lattice model for water-solute mixtures. Journal of Chemical Physics, 2016, 145, 144501.	1.2	4
3	Effects of confinement on pattern formation in two dimensional systems with competing interactions. Soft Matter, 2016, 12, 7551-7563.	1.2	19
4	Nematic phase in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>J</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:mrow></mml:math> Ising model in an external field. Physical Review E, 2015, 91, 052123.	2.4	20
5	Pattern formation in binary fluid mixtures induced by short-range competing interactions. Journal of Chemical Physics, 2015, 143, 084501.	1.2	10
6	Inclusions of a two dimensional fluid with competing interactions in a disordered, porous matrix. Journal of Physics Condensed Matter, 2015, 27, 194127.	0.7	6
7	Entropy of hard spheres in the close-packing limit. Molecular Physics, 2015, 113, 1061-1068.	0.8	23
8	Generalization of Wertheim's theory for the assembly of various types of rings. Soft Matter, 2015, 11, 5828-5838.	1.2	12
9	Bistability in a self-assembling system confined by elastic walls: Exact results in a one-dimensional lattice model. Journal of Chemical Physics, 2015, 142, 014903.	1.2	7
10	Demixing and confinement of non-additive hard-sphere mixtures in slit pores. Journal of Chemical Physics, 2015, 142, 014702.	1.2	3
11	Effects of rigid or adaptive confinement on colloidal self-assembly. Fixed vs. fluctuating number of confined particles. Journal of Chemical Physics, 2015, 142, 204904.	1.2	5
12	Three-dimensional patchy lattice model: Ring formation and phase separation. Journal of Chemical Physics, 2014, 140, 044905.	1.2	23
13	Periodic ordering of clusters and stripes in a two-dimensional lattice model. I. Ground state, mean-field phase diagram and structure of the disordered phases. Journal of Chemical Physics, 2014, 140, 114701.	1.2	34
14	Adsorption of probe molecules in pillared interlayered clays: Experiment and computer simulation. Journal of Chemical Physics, 2014, 140, 224701.	1.2	0
15	Periodic ordering of clusters and stripes in a two-dimensional lattice model. II. Results of Monte Carlo simulation. Journal of Chemical Physics, 2014, 140, 164708.	1.2	40
16	Periodic ordering of clusters in a one-dimensional lattice model. Journal of Chemical Physics, 2013, 138, 144903.	1.2	23
17	Phase behaviour of the confined lattice gas Lebwohl-Lasher model. Condensed Matter Physics, 2013, 16, 43602.	0.3	0
18	Three-dimensional patchy lattice model for empty fluids. Journal of Chemical Physics, 2012, 137, 244902.	1.2	15

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19	The nature of the ordered phase of the confined self-assembled rigid rod model. Journal of Chemical Physics, 2012, 137, 074901.	1.2	1
20	Reply to â€œComment on â€˜Effect of polydispersity on the ordering transition of adsorbed self-assembled rigid rodsâ€™â€‰â€•. Physical Review E, 2012, 85, .	0.8	9
21	Theory of repulsive charged colloids in slit-pores. Journal of Chemical Physics, 2012, 137, 014702.	1.2	7
22	Closed-loop liquid-vapor equilibrium in a one-component system. Physical Review E, 2012, 86, 030101.	0.8	16
23	Theory and simulation of the confined Lebwohl-Lasher model. Physical Review E, 2011, 83, 041701.	0.8	8
24	Communication: The criticality of self-assembled rigid rods on triangular lattices. Journal of Chemical Physics, 2011, 134, 071101.	1.2	13
25	Phase transitions of a lattice model for patchy particles with tetrahedral symmetry. Molecular Physics, 2011, 109, 65-74.	0.8	10
26	The condensation and ordering of models of empty liquids. Journal of Chemical Physics, 2011, 135, 174903.	1.2	15
27	Effect of polydispersity on the ordering transition of adsorbed self-assembled rigid rods. Physical Review E, 2010, 82, 061117.	0.8	16
28	Phase behavior of the confined Lebwohl-Lasher model. Physical Review E, 2010, 82, 011140.	0.8	6
29	Phase behavior of the hard-sphere Maier-Saupe fluid under spatial confinement. Physical Review E, 2009, 80, 031501.	0.8	3
30	Topological considerations on microporous adsorption processes in simple models for pillared interlayered clays. Journal of Chemical Physics, 2009, 131, 244701.	1.2	7
31	One- and three-dimensional lattice models with two repulsive ranges: simple systems with complex phase behaviour. Molecular Physics, 2009, 107, 321-330.	0.8	15
32	Phase diagram of a two-dimensional lattice gas model of a ramp system. Journal of Chemical Physics, 2009, 131, 124506.	1.2	24
33	A cluster algorithm for Monte Carlo simulation at constant pressure. Journal of Chemical Physics, 2009, 130, 184106.	1.2	17
34	Demixing in binary mixtures of apolar and dipolar hard spheres. Journal of Chemical Physics, 2008, 129, 234504.	1.2	32
35	Cluster algorithm to perform parallel Monte Carlo simulation of atomistic systems. Journal of Chemical Physics, 2007, 127, 084116.	1.2	4
36	Phase behavior of a family of continuous two-dimensional<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi></mml:math>-vector models with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>n</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math>, 3, and 4. Physical Review E, 2007, 76, 061107.	0.8	4

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37	Phase behavior of attractive and repulsive ramp fluids: Integral equation and computer simulation studies. Journal of Chemical Physics, 2007, 126, 244510.	1.2	56
38	Computation of the free energy of solids. Journal of Chemical Physics, 2007, 126, 211103.	1.2	20
39	Surface tension of the Widom-Rowlinson model. Journal of Chemical Physics, 2007, 127, 034707.	1.2	19
40	Phase behavior of a hard sphere Maier-Saupe nematogenic system in three dimensions. Physical Review E, 2006, 74, 021503.	0.8	6
41	Integral equation and simulation studies of a planar nematogenic liquid in crossed external fields. Journal of Physics Condensed Matter, 2005, 17, 2801-2824.	0.7	2
42	Hexagonal close-packing structure on a cubic cell. Journal of Chemical Physics, 2005, 123, 056101.	1.2	1
43	Simulation study of the phase behavior of a planar Maier-Saupe nematogenic liquid. Physical Review E, 2005, 71, 046132.	0.8	20
44	Determination of effective pair interactions from the structure factor. Physical Review E, 2004, 70, 021203.	0.8	11
45	Theory and simulation of positionally frozen Heisenberg spin systems. European Physical Journal B, 2003, 34, 473-478.	0.6	2
46	Determination of the interaction potential from the pair distribution function: An inverse Monte Carlo technique. Physical Review E, 2003, 68, 011202.	0.8	49
47	Local density approach for modeling fluids with density-dependent interactions. Physical Review E, 2003, 67, 021202.	0.8	10
48	Study of the ferromagnetic transition in a positionally frozen Heisenberg spin system. Molecular Physics, 2003, 101, 1667-1673.	0.8	12
49	Comment on â€œReetrant Behavior of Relaxation Time with Viscosity at Varying Composition in Binary Mixturesâ€• Physical Review Letters, 2002, 88, 069603.	2.9	0
50	The virial coefficients of hard hypersphere binary mixtures. Molecular Physics, 2002, 100, 1941-1944.	0.8	11
51	A non-equilibrium molecular dynamics approach to fluid transfer through microporous membranes. Molecular Physics, 2002, 100, 2337-2349.	0.8	6
52	Critical behavior of ionic solids. Physical Review E, 2001, 64, 042501.	0.8	11
53	Evidence of Double Criticality in a Fluid Model with Density-Dependent Interactions. Physical Review Letters, 2001, 86, 2038-2041.	2.9	17
54	Reentrant miscibility in fluids with spherical interactions. Physical Review E, 2001, 64, 012501.	0.8	9

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55	Phase equilibria of asymmetric hard sphere mixtures. Physical Review E, 1999, 59, 4426-4433.	0.8	36
56	Anharmonic dynamics in crystalline, glassy, and supercooled-liquid glycerol: A case study on the onset of relaxational behavior. Physical Review B, 1998, 57, 8254-8263.	1.1	15
57	Collective Excitations in Crystals Composed of Disparate Mass Particles. Physical Review Letters, 1998, 81, 4432-4435.	2.9	21
58	Virial coefficients of hard-sphere mixtures. Physical Review E, 1998, 57, 4486-4490.	0.8	26
59	Thermodynamics of complex hard body fluids. Molecular Physics, 1998, 95, 635-643.	0.8	5
60	Low density equation of state of asymmetric hard sphere mixtures. Molecular Physics, 1997, 92, 173-176.	0.8	27
61	Dynamic correlations in liquid and glassy selenium: search for intermediate scales. Journal of Non-Crystalline Solids, 1996, 205-207, 485-489.	1.5	0
62	Phase stability of binary nonâ€additive hardâ€sphere mixtures: A selfâ€consistent integral equation study. Journal of Chemical Physics, 1996, 104, 4180-4188.	1.2	63
63	Dynamic correlations in a dense dipolar liquid. Physical Review E, 1995, 52, 2787-2796.	0.8	4
64	Dynamic Structure Factor of a Helium-Neon Dense Gas Mixture: Crossover from Hydrodynamics to the Microscopic Regime. Physical Review Letters, 1995, 74, 4233-4236.	2.9	31
65	Dynamics of Selenium Chain Melts by MD Simulation. Molecular Simulation, 1995, 14, 331-341.	0.9	3
66	Molecular-dynamics simulation on simple fluids: Departure from linearized hydrodynamic behavior of the dynamical structure factor. Physical Review E, 1994, 50, 1336-1340.	0.8	9
67	Role of the interaction range in the shaping of phase diagrams in simple fluids. The hard sphere Yukawa fluid as a case study. Journal of Chemical Physics, 1994, 100, 8367-8372.	1.2	152
68	Phase transitions in a continuum model of the classical Heisenberg magnet: The ferromagnetic system. Physical Review E, 1994, 49, 5169-5178.	0.8	65
69	On the origin of the low-frequency excitations in glassy selenium. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 175, 217-224.	0.9	10
70	Low-frequency excitations in glassy selenium: A comparison of neutron-scattering and molecular-dynamics results. Physical Review B, 1993, 48, 149-160.	1.1	28
71	Structure and dynamics of selenium chain melts: A molecular dynamics study. Journal of Chemical Physics, 1993, 99, 6876-6889.	1.2	26
72	Monte Carlo simulation of liquid n-alkanes. , 1993, , 177-186.		0

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73	Crossover from Hydrodynamic to Atomic Diffusion in Liquid Selenium: A Molecular-Dynamics Study. Europhysics Letters, 1992, 17, 595-600.	0.7	15
74	Monte Carlo simulation of liquid nâ€alkanes. I. Intramolecular structure and thermodynamics. Journal of Chemical Physics, 1992, 96, 4625-4632.	1.2	39
75	Numerical simulation of effectively nonergodic systems. Molecular Physics, 1992, 76, 211-220.	0.8	0
76	Monte Carlo simulations of liquid n-butane. Molecular Physics, 1990, 70, 485-504.	0.8	40
77	Pulsed neutron diffraction of liquid n-butane. Molecular Physics, 1990, 71, 865-870.	0.8	6
78	Statistical mechanics of small chain molecular liquids. II. Structure and thermodynamic properties of modelednâ€butane liquid. Journal of Chemical Physics, 1989, 90, 422-430.	1.2	14
79	Statistical mechanics of small chain molecular liquids. I. Conformational properties of modeled nâ€butane. Journal of Chemical Physics, 1989, 90, 413-421.	1.2	22