Gustavo A Chapela

List of Publications by Year
in descending order

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26 papers	812 citations	759055 12 h-index	610775 24 g-index
27 all docs	27 docs citations	27 times ranked	528 citing authors

#	Article	IF	Citations
1	Computer simulation of a gasâ€“liquid surface. Part 1. Journal of the Chemical Society, Faraday Transactions 2, 1977, 73, 1133-1144.	1.1	324
2	The surface tension of TIP4P/2005 water model using the Ewald sums for the dispersion interactions. Journal of Chemical Physics, 2010, 132, 014701.	1.2	90
3	Computer simulation of the gas/liquid surface. Faraday Discussions of the Chemical Society, 1975, 59, 22.	2.2	84
4	Molecular dynamics for discontinuous potentials. Molecular Physics, 1984, 53, 139-159.	0.8	74
5	Square well orthobaric densities via spinodal decomposition. Journal of Chemical Physics, 1987, 86, 5683-5688.	1.2	47
6	Molecular dynamics for discontinuous potential. IV. Lennardâ€Jonesium. Journal of Chemical Physics, 1989, 91, 4307-4313.	1.2	40
7	Liquid-vapor equilibrium and interfacial properties of square wells in two dimensions. Journal of Chemical Physics, 2013, 138, 044508.	1.2	21
8	Discrete perturbation theory applied to Lennard-Jones and Yukawa potentials. Journal of Chemical Physics, 2010, 133, 234107.	1.2	19
9	Self-assembly of kagome lattices, entangled webs and linear fibers with vibrating patchy particles in two dimensions. Soft Matter, 2014, 10, 9167-9176.	1.2	17
10	Effect of flexibility on liquid-vapor coexistence and surface properties of tangent linear vibrating square well chains in two and three dimensions. Journal of Chemical Physics, 2013, 138, 224509.	1.2	14
11	Liquid-vapor interfacial properties of vibrating square well chains. Journal of Chemical Physics, 2011, 135, 084126.	1.2	13
12	Surface tension and orthobaric densities for vibrating square well dumbbells. I. Journal of Chemical Physics, 2010, 132, 104704.	1.2	12
13	Phase diagram of a square-well model in two dimensions. Journal of Chemical Physics, 2014, 140, 064503.	1.2	11
14	Numerical solution of RISM for homonuclear vibrating hard-dumbells. Molecular Physics, 1983, 50, 129-137.	0.8	6
15	Molecular association of heteronuclear vibrating square-well dumbbells in liquid-vapor phase equilibrium. Journal of Chemical Physics, 2011, 134, 224105.	1.2	6
16	Molecular dynamics of discontinuous Lennard-Jonesium and water. Chemical Physics, 1989, 129, 201-207.	0.9	5
17	Liquid-vapor phase diagram and surface properties in oppositely charged colloids represented by a mixture of attractive and repulsive Yukawa potentials. Journal of Chemical Physics, 2013, 138, 054507.	1.2	5
18	Fluid-solid coexistence from two-phase simulations: Binary colloidal mixtures and square well systems. Journal of Chemical Physics, 2015, 142, 054501.	1.2	5

#	Article	IF	Citations
19	Finite size effect on the existence of the liquidâ€“vapour spinodal curve. Molecular Physics, 2022, 120, .	0.8	5
20	Liquid-vapor equilibrium and surface properties of short rigid chains with one long range attractive potential. Journal of Chemical Physics, 2013, 139, 024505.	1.2	4
21	Study of the hard-disk system at high densities: the fluid-hexatic phase transition. Journal of Chemical Physics, 2018, 148, 234502.	1.2	4
22	Room temperature ionic liquids: A simple model. Effect of chain length and size of intermolecular potential on critical temperature. Journal of Chemical Physics, 2015, 142, 154508.	1.2	3
23	Effect of shape on liquidâ€“vapor coexistence and surface properties of parallelepiped molecules. Journal of Chemical Physics, 2020, 152, 134501.	1.2	1
24	Self-assembling and phase coexistence of SW trimers as complex amphiphile analogues. I. Simulations. Molecular Physics, 2020, 118, e1726519.	0.8	1
25	Phase diagrams of extended and deformed kagome lattices. Physica A: Statistical Mechanics and Its Applications, 2022, 585, 126397.	1.2	1
26	Constant chemical potential, pressure and temperature profiles in liquidâ€“vapour equilibrium obtained by spinodal decomposition. Molecular Physics, 2020, 118, e1711975.	0.8	0