Minerva Gonzalez-Melchor

List of Publications by Year
in descending order

24 papers	639 citations	759233 12 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	598 citing authors

#	Article	IF	Citations
1	Electrostatic interactions in dissipative particle dynamics using the Ewald sums. Journal of Chemical Physics, 2006, 125, 224107.	3.0	163
2	Molecular dynamics simulations of the surface tension of ionic liquids. Journal of Chemical Physics, 2005, 122, 104710.	3.0	88
3	Stress anisotropy induced by periodic boundary conditions. Journal of Chemical Physics, 2005, 122, 094503.	3.0	60
4	Surface tension at the vapor/liquid interface in an attractive hard-core Yukawa fluid. Journal of Chemical Physics, 2001, 115, 3862-3872.	3.0	44
5	Surface Tension of the Restrictive Primitive Model for Ionic Liquids. Physical Review Letters, 2003, 90, 135506.	7.8	43
6	Finite-size effects in dissipative particle dynamics simulations. Journal of Chemical Physics, 2006, 124, 084104.	3.0	41
7	First principles studies of the graphene-phenol interactions. Journal of Molecular Modeling, 2012, 18, 3857-3866.	1.8	36
8	The structure and interaction mechanism of a polyelectrolyte complex: a dissipative particle dynamics study. Soft Matter, 2015, 11, 5889-5897.	2.7	24
9	Equation of state and structure of binary mixtures of hard d-dimensional hyperspheres. Journal of Chemical Physics, 2001, 114, 4905-4911.	3.0	22
10	Influence of ion size asymmetry on the properties of ionic liquidâ€“vapour interfaces. Journal of Physics Condensed Matter, 2005, 17, S3301-S3307.	1.8	21
11	Dopamine and Caffeine Encapsulation within Boron Nitride (14,0) Nanotubes: Classical Molecular Dynamics and First Principles Calculations. Journal of Physical Chemistry B, 2018, 122, 5885-5896.	2.6	18
12	Liquid-vapor phase diagram and cluster formation of two-dimensional ionic fluids. Journal of Chemical Physics, 2012, 137, 054711.	3.0	13
13	Interfacial properties of charge asymmetric ionic liquids. Molecular Physics, 2009, 107, 357-363.	1.7	12
14	Static dielectric constant of water within a bilayer using recent water models: a molecular dynamics study. Journal of Physics Condensed Matter, 2018, 30, 195001.	1.8	10
15	Effect of softness of the potential on the stress anisotropy in liquids. Journal of Chemical Physics, 2007, 126, 224511.	3.0	9
16	Equilibrium structure of the multi-component screened charged hard-sphere fluid. Journal of Chemical Physics, 2011, 135, 014504.	3.0	8
17	Interfacial and coexistence properties of soft spheres with a short-range attractive Yukawa fluid: Molecular dynamics simulations. Journal of Chemical Physics, 2012, 136, 154702.	3.0	8
18	Liquidâ€“vapour interface varying the softness and range of the interaction potential. Molecular Simulation, 2013, 39, 64-71.	2.0	8

#	Article	IF	Citations
19	The line tension of two-dimensional ionic fluids. Journal of Chemical Physics, 2016, 144, 134705.	3.0	3
20	Influence of pH on the formation of a polyelectrolyte complex by dissipative particle dynamics simulation: From an extended to a compact shape. Physical Review E, 2019, 100, 012505.	2.1	3
21	Analytical static structure factors for the restricted primitive model. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1759-1769.	2.6	2
22	Exploring electrostatic patterns of human, murine, equine and canine TLR4/MD-2 receptors. Innate Immunity, 2020, 26, 364-380.	2.4	2
23	Self-diffusion and structure of monovalent ions in two dimensions: A molecular dynamics study. Journal of Molecular Liquids, 2019, 294, 111542.	4.9	1
24	Influence of a neutral component on the liquidâ€“vapor coexistence and the surface tension of an ionic fluid. Journal of Molecular Liquids, 2013, 185, 32-35.	4.9	0