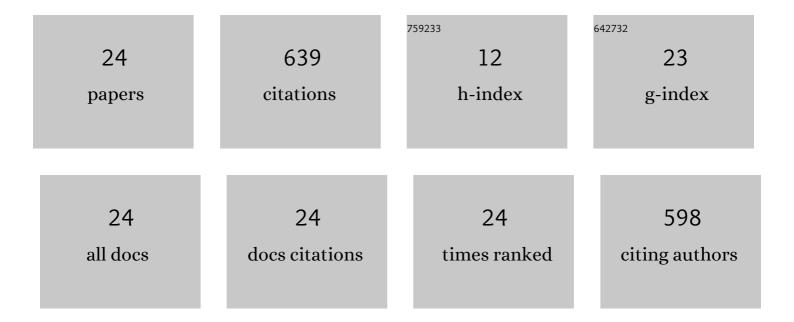
Minerva Gonzalez-Melchor

List of Publications by Year in descending order

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Version: 2024-02-01



| # | 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 liquid–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 <i>screened</i> 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 | Liquid–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 liquid–vapor coexistence and the surface tension of an ionic fluid. Journal of Molecular Liquids, 2013, 185, 32-35. | 4.9 | 0 |