

Publication list: Marisol Ripoll

1. “Star polymers under shear”, M. Ripoll, R. G. Winkler, and G. Gompper. *Physical Review Letters* **96**, 188302 (2006).
Selected for *Virtual Journal of Nanoscale Science and Technology* vol. **13**, issue 21 (2006)
2. “Dynamics of polymers in a particle-based mesoscopic solvent”, K. Mussawisade, M. Ripoll, R. G. Winkler, and G. Gompper *Journal of Chemical Physics* **123**, 144905 (2005)
3. “Dynamic regimes of fluids simulated by multi-particle-collision dynamics”, M. Ripoll, K. Mussawisade, R. G. Winkler, and G. Gompper. *Physical Review E* **72**, 016701 (2005)
4. “Power law tails of time correlations in a mesoscopic fluid model”, M. Ripoll and M.H. Ernst. *Physical Review E* **72**, 011101 (2005)
5. “Model system for classical fluids out of equilibrium”, M. Ripoll and M.H. Ernst. *Physical Review E* **71**, 041104 (2005)
6. “Simulation of complex fluids by multi-particle-collision dynamics”, R. G. Winkler, M. Ripoll, K. Mussawisade, and G. Gompper, *Computer Physics Communications* **169**, 326-330 (2005)
7. “Rodlike colloids and polymers in shear flow: a multi-particle collision dynamics study”, R. G. Winkler, K. Mussawisade, M. Ripoll, and G. Gompper, *Journal of Physics: Condensed Matter* **16**, S3941-S3954 (2004)
8. “Low-Reynolds-number hydrodynamics of complex fluids by multi-particle collision dynamics”, M. Ripoll, K. Mussawisade, R. G. Winkler, and G. Gompper. *Europhysics Letters* **68**, 106-112 (2004)
9. “Large scale and mesoscopic hydrodynamics for dissipative particle dynamics” M. Ripoll, M. H. Ernst, and P. Español. *Journal of Chemical Physics* **115**, 7271 (2001)
10. “Heat Conduction Modeling with Energy Conserving Dissipative Particle Dynamics” M. Ripoll and P. Español. *International Journal of Heat & Technology* **18**, 57 (2000)
11. “Dissipative Particle Dynamics With Energy Conservation: Heat Conduction” M. Ripoll, P. Español, and M. H. Ernst. *International Journal of Modern Physics C* **9**, 1329 (1998)
12. “A theoretical estimate of the Wilson-Frenkel kinetics of colloidal crystal growth in charge-stabilized dispersions” M. S. Ripoll, C. F. Tejero, and M. Baus. *Physica A* **234**, 311 (1996)
13. “Pressure of the hard-sphere solid” C. F. Tejero, M. S. Ripoll, and A. Pérez. *Physical Review E* **52**, 3632 (1995)
14. “Approximate analytical expression for the direct correlation function of hard disks within the Percus-Yevick equation” M. S. Ripoll and C. F. Tejero. *Molecular Physics* **85**, 423 (1995)

Other publications

- “Mesoscale hydrodynamics simulations”, M. Ripoll. Lecture Notes of the 37th IFF Spring School on “Computational Condensed Matter Physics” (Forschungszentrum Jülich), Ed. S. Blügel, G. Gompper, E. Koch, H. Müller-Krumbhaar, R. Spatscheck, and R. G. Winkler pp B5.1–B5.31 (2006)