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Journal Articles

1. S. Morsch, C. R. Wand, S. Emad, S. Lyon, F. Siperstein, M. Malanin, J. Muche, A. Caspari, A. Drechsler, K-J. Eichhorn and S. Gibbon, Molecular origins of Epoxy-Amine/Iron oxide interphase formation. *J. Colloid Int. Sci.* **613** (2022) 415-425
2. C. R. Wand, S. Gibbon and F. R. Siperstein, Adsorption of epoxy oligomers on iron oxide surfaces: the importance of surface treatment and the role of entropy *Langmuir,* **37** (2021) 12409–12418
3. M. Panoukidou, C. R. Wand and P. Carbone, Comparison of equilibrium techniques on viscosity calculations from DPD simulations *Soft Matter*, **17** (2021) 8343-8353.
4. C. R. Wand, M. Panoukidou, A. Del Regno, R. L. Anderson, P. Carbone, The scission energy of wormlike micelles composed of Sodium laurylethersulphate and cocamidopropyl betaine. *Langmuir,* **36** (2020) 12288-12298.
5. C. R. Wand, and M. A. Bates, Chiral nematic liquid crystals in torus-shaped and cylindrical cavities, *Phys. Rev. E.,* **100** (2019) 052702.
6. M. Panoukidou, C. R. Wand, A. Del Regno, R. L. Anderson and P. Carbone, Constructing the phase diagram of anionic surfactants using dissipative particle dynamics, *J. Colloid Int. Sci.* **557** (2019) 34-44
7. C. R. Wand, M. Fayaz-Torshzi, G. Jimenez-Serratos, E. A. Müller, and D. Frenkel, Solubilities of pyrene in organic solvents: Comparison between chemical potential calculations using a cavity-based method and direct coexistence simulations *J. Chem. Thermodynamics,* **131** (2019) 620–629 **Special issue on Solubilities.**
8. J. R. Espinosa, C. R. Wand, C. Vega, E. Sanz, and D. Frenkel, Calculation of the water-octanol partition coefficient of cholesterol for SPC, TIP3P and TIP4P water. *J. Chem. Phys.,* **149** (2018) 224501 **Editors Pick.**
9. C. R. Wand, T. S. Totton, and D. Frenkel, Addressing hysteresis and slow equilibration issues in cavity-based calculation of chemical potentials. *J. Chem. Phys.,* **149***,* (2018) 014105
10. C. R. Wand, and K. Bolton, Negative thermal expansion of poly(vinylidene fluoride) and polyethylene tie molecules: A molecular dynamics study. *J. Polym. Sci. Part B: Polym. Phys*., **54** (2016) 2223–2232.
11. C. R. Wand, and M. A. Bates, Monte Carlo simulations of nematic and chiral nematic shells, *Phys. Rev. E,* **91** (2015) 012502.