Liel Sapir – List of Publication

- **L. Sapir**, D. Harries. Revisiting Hydrogen Bond Thermodynamics in Molecular Simulations. *J. Chem. Theo. Comp.* In press, **2017**. DOI**:** 10.1021/acs.jctc.7b00238.
- E. Meirzadeh*, **L. Sapir***, H. Cohen, SR. Cohen, D. Ehre, D. Harries, M. Lahav, and I. Lubomirsky. Nonclassical Crystal Growth as Explanation for the Riddle of Polarity in Centrosymmetric Glycine Crystals. *J. Am. Chem. Soc.*, 138, 14756-14763, **2016**. *equal contribution.
- **L. Sapir**, C.B. Stanley, D. Harries. Properties of Polyvinylpyrrolidone in a Deep Eutectic Solvent. *J. Phys. Chem. A.* 120, 3253−3259, **2016**.
- **L. Sapir**, D. Harries. Macromolecular Compaction by Mixed Solutions: Bridging versus Depletion Attraction. *Curr. Opin. Coll. Int. Sci.* 22, 80-87, **2016**.
- S. Sukenik, **L. Sapir**, D. Harries, Osmolyte induced changes to peptide conformational ensemble correlate with slower amyloid aggregation: a coarse-grained simulation study. *J. Chem. Theo. Comp.* 11, 5918−5928, **2015**.
- **L. Sapir**, D. Harries. Macromolecular Stabilization by Excluded Cosolutes: Mean Field Theory of Crowded Solutions. *J. Chem. Theo. Comp.* 11, 3478-3490, **2015**.
- **L. Sapir**, D. Harries. Is the depletion force entropic? Molecular crowding beyond steric interactions. *Curr. Opin. Coll. Int. Sci.* 20, 3-10, **2015**.
- **L. Sapir**, D. Harries. Origin of enthalpic depletion forces in explicit solvent-cosolute solutions. *J. Phys. Chem. Lett.* 5, 1061-1065, **2014**.
- S. Sukenik*, **L. Sapir***, D. Harries. Balance of enthalpy and entropy in depletion forces. *Curr. Opin. Coll. Int. Sci.* 18, 495-501, **2013**. *equal contribution.
- S. Sukenik, **L. Sapir**, R. Gilman-Politi, D. Harries. Diversity in the mechanisms of cosolute action on biomolecular processes. *Faraday Disc.* 160, 225-237, **2013**.
- **L. Sapir** and D. Harries. "Linking Trehalose Self-Association with Binary Aqueous Solution Equation of State." *J. Phys. Chem. B* 115, 624-634, **2011**.
- R. Politi, **L. Sapir**, D. Harries. "The impact of polyols on water structure in solution: A computational study." *J. Phys. Chem. A* 113(26), 7548-7555, **2009**.