

Publication List

- [1] Travis Hoppe and Allen P Minton. "An Equilibrium Model for the Combined Effect of Macromolecular Crowding and Surface Adsorption on the Formation of Linear Protein Fibrils". In: *Biophysical journal* 108.4 (2015), pp. 957–966.
- [2] Wenwei Zheng, David De Sancho, Travis Hoppe, and Robert B Best. "Dependence of Internal Friction on Folding Mechanism". In: *Journal of the American Chemical Society* (2015).
- [3] Andrew V Dix, Steven M Moss, Khai Phan, Travis Hoppe, Silvia Paoletta, Eszter Kozma, Zhan-Guo Gao, Stewart R Durell, Kenneth A Jacobson, and Daniel H Appella. "Programmable Nanoscaffolds that Control Ligand Display to a G Protein Coupled-Receptor in Membranes allow Dissection of Multivalent Effects". In: *Journal of the American Chemical Society* (2014).
- [4] Travis Hoppe and Anna Petrone. "Integer Sequence Discovery from Small Graphs". In: *arXiv preprint arXiv:1408.3644* (2014).
- [5] Chao Zhao, Travis Hoppe, Mohan Kumar, Haleyr Giri Setty, Danielle Murray, Tae-Wook Chun, Indira Hewlett, and Daniel Appella. "Quantification of HIV RNA Viral Load at Clinically Relevant Levels via Nucleic Acid Testing PNA-Enzyme Linked Assay". In: *Nature Methods* (2014 in press; DOI 10.1038 ncomms6079).
- [6] Travis Hoppe. "A Simplified Representation of Anisotropic Charge Distributions within Proteins". In: *The Journal of chemical physics* 138.17 (2013), p. 174110.
- [7] Travis Hoppe. "Singular Value Decomposition of the Radial Distribution Function for Hard Sphere and Square Well Potentials". In: *PloS one* 8.10 (2013), e75792.
- [8] Travis Hoppe and Jian-Min Yuan. "Protein Folding with Implicit Crowders: A Study of Conformational States Using the Wang- Landau Method". In: *The Journal of Physical Chemistry B* 115.9 (2011), pp. 2006–2013.
- [9] Travis Hoppe and Jian-Min Yuan. "Entropic flows, crowding effects, and stability of asymmetric proteins". In: *Physical Review E* 80.1 (2009), p. 011404.
- [10] AS Safronova, VL Kantsyrev, P Neill, UI Safronova, DA Fedin, ND Ouart, MF Yilmaz, Travis Hoppe, G Osborne, I Shrestha, and K Williamson. "The importance of EBIT data for Z-pinch plasma diagnostics". In: *Canadian Journal of Physics* 86.1 (2008), pp. 267–276.
- [11] Alla S Safronova, Victor L Kantsyrev, Dmitry A Fedin, Glenn Osborne, M Fatih Yilmaz, Travis Hoppe, Vidya Nalajala, Jonathan D Douglass, Ryan D McBride, and Marc D Mitchell. "Spectroscopic and Imaging Study of Combined W and Mo-pinch at 1 MA-pinch Generators". In: *Plasma Science, IEEE Transactions on* 34.5 (2006), pp. 2256–2262.