

Supporting information

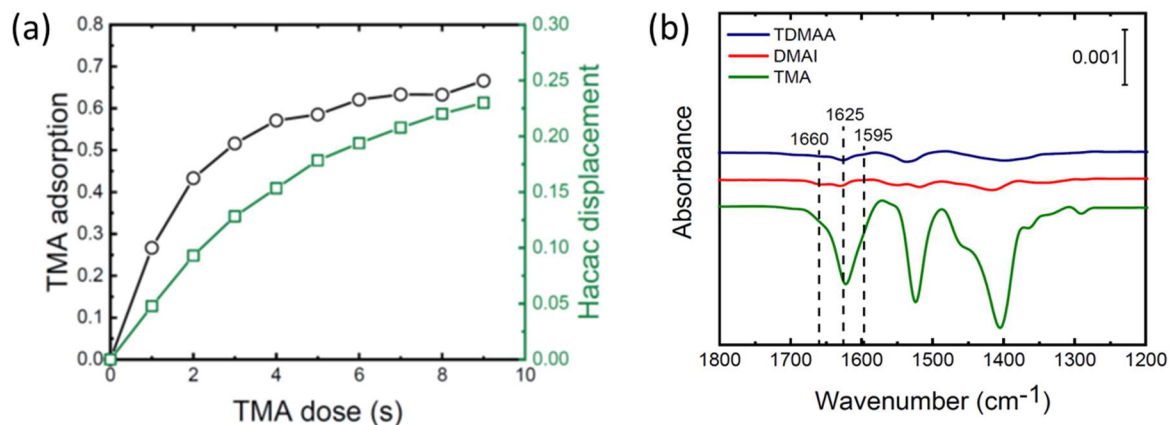


Figure 1. (a) Normalized TMA adsorption and acetylacetone (Hacac) displacement fraction as a function of TMA dose, (b) comparison of Hacac displacement between TMA, DMAI, and TDMAA.

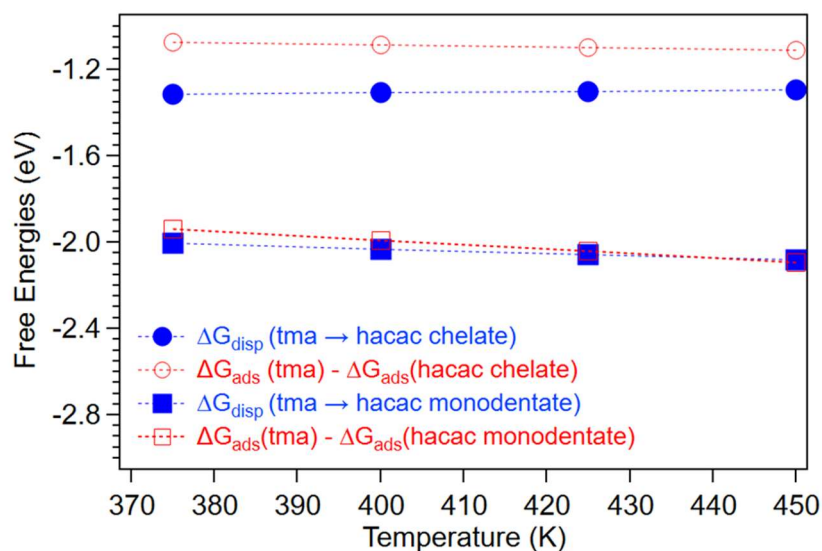


Figure 3. Displacement Gibbs free energies (ΔG_{disp}) for TMA displacing Hacac chelate (blue circles) and for TMA displacing Hacac monodentate (blue squares). Difference between adsorption energies (ΔG_{ads}) between TMA and Hacac chelate (red circles) and Hacac monodentate (red squares) at $p = 10^5$ Pa.