

Organic-Inorganic Hybrid: A Novel Template for Synthesis of Nanostructured Ag

Debasmita Sardar,^a Bappaditya Naskar,^b Ambarish Sanyal,^c S. P. Moulik^{b*} and Tanushree Bala^{a*}

Supporting Information S-1

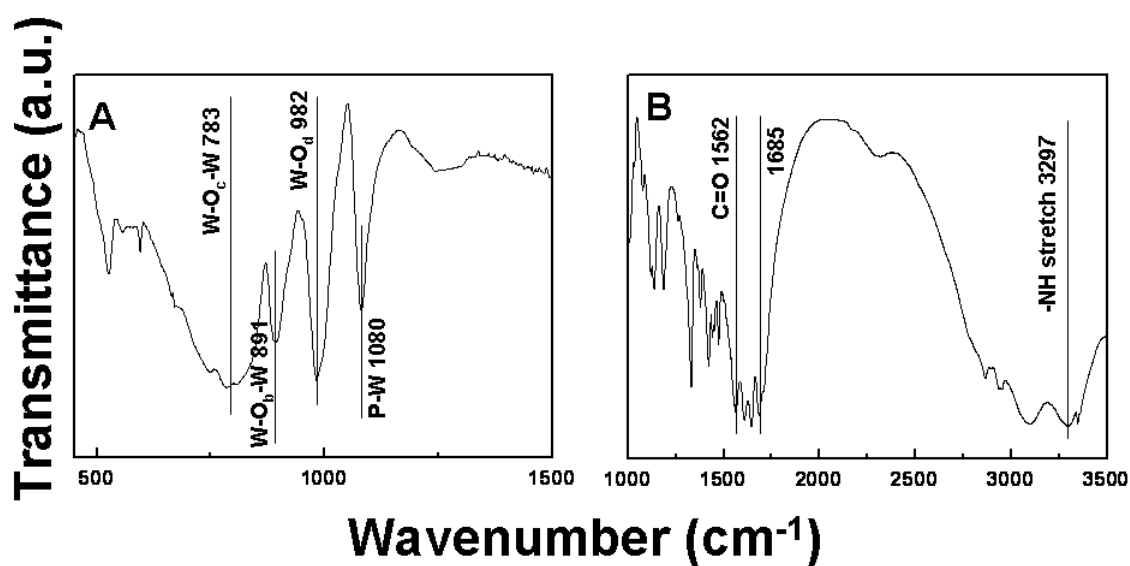


Figure S-1: FTIR spectra of pure phosphotungstic acid (A) and pure Arginine (B).

Supporting Information S-2

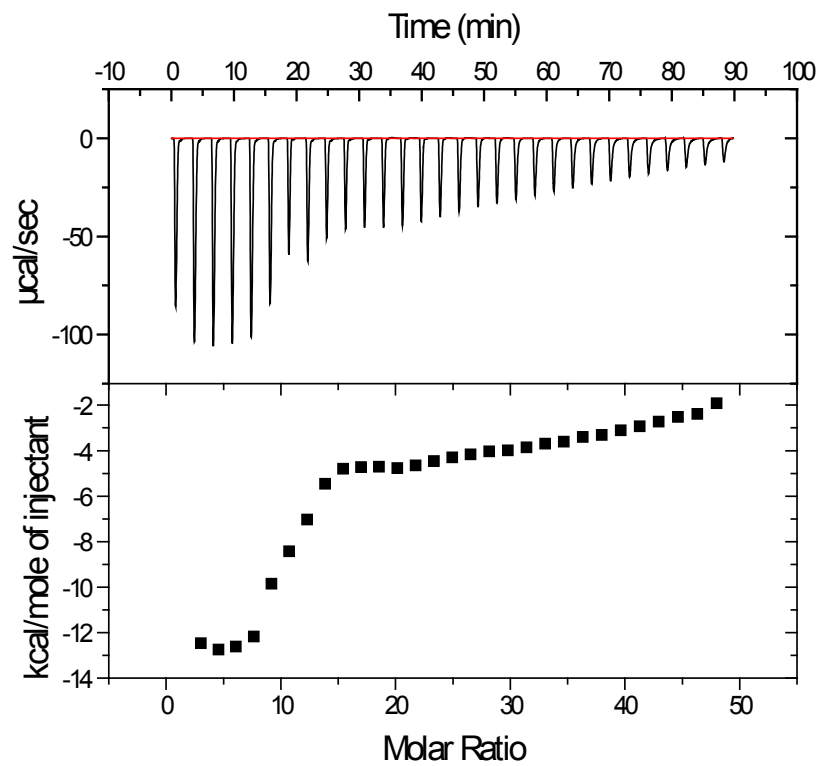


Figure S-2: Panel A: Raw data of ITC recorded during injection of arginine in 0.1 mM PTA at pH 3.5 at 303 K. Panel B: Binding isotherm obtained from integrated data of panel A plotted against molar ratio.

Supporting Information S-3

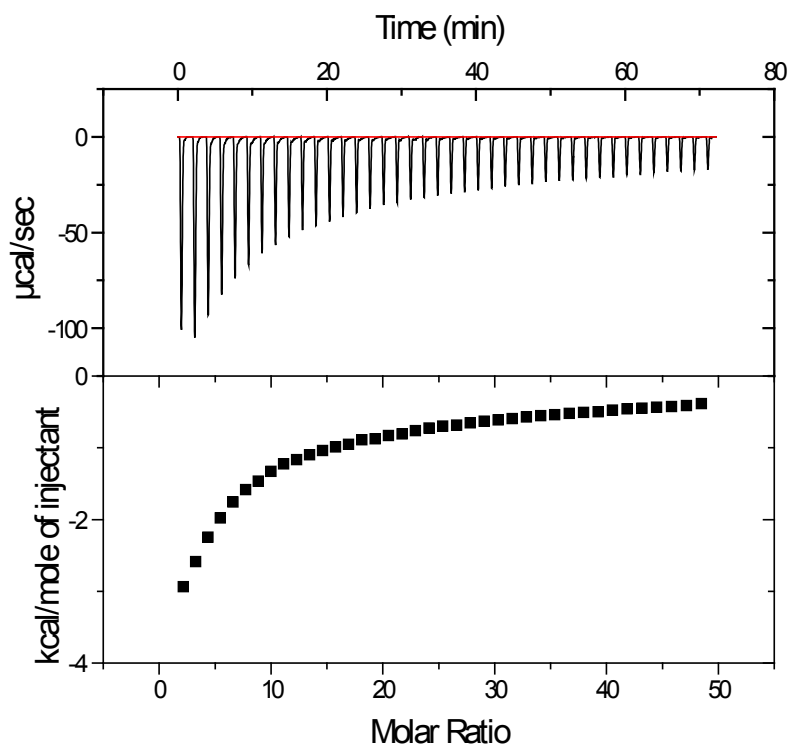


Figure S-3: Panel A: Raw data of ITC recorded during injection of arginine in 0.7 mM PTA at pH 7.0 at 303 K. Panel B: Binding isotherm obtained from integrated data of panel A plotted against molar ratio.

Supporting Information S-4

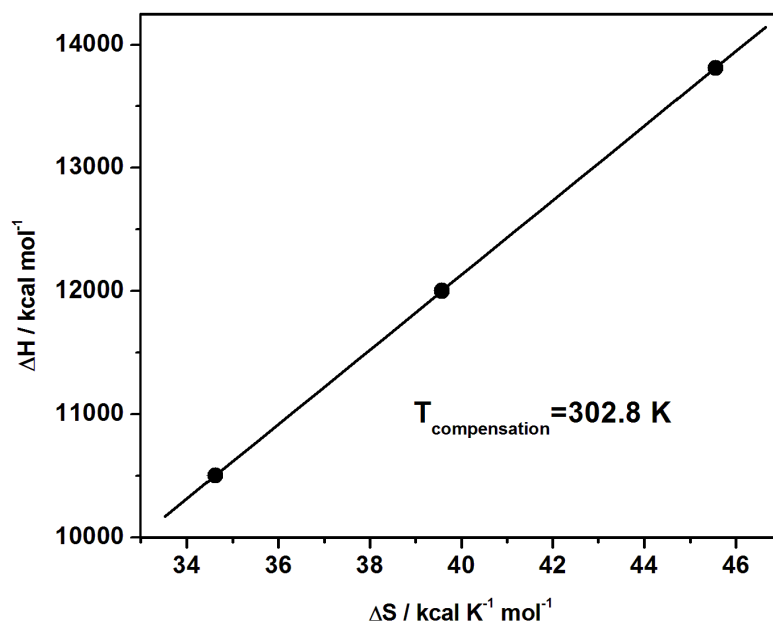


Figure S-4: Compensation plot between ΔH and ΔS presented in Table 3. Correlation coefficient =1; $T_{\text{compensation}} (302.8 \text{ K}) = T_{\text{expt}} (303 \text{ K})$

Supporting Information S-5

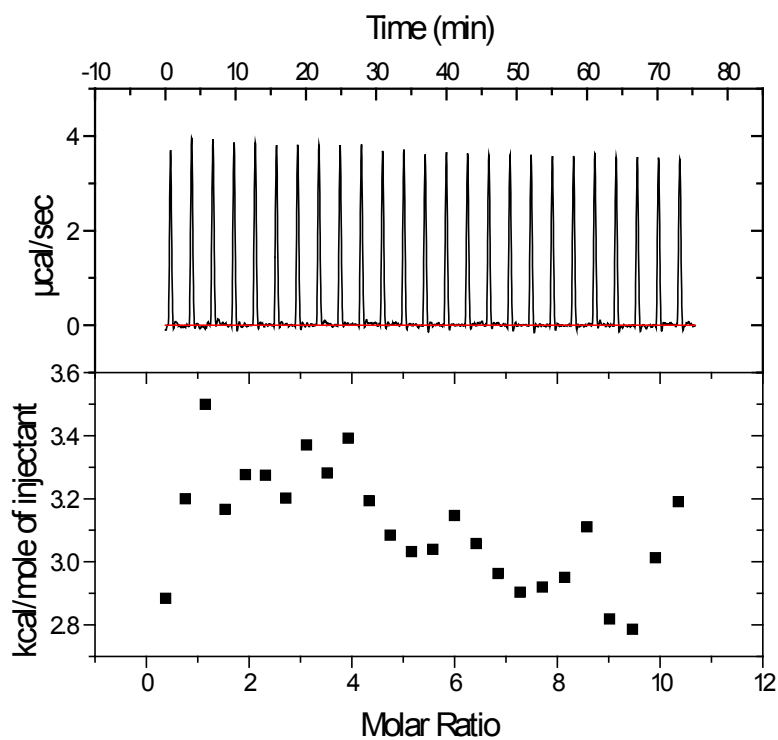


Figure S-5: (Panel A) Raw data of ITC recorded during injection of arginine in 0.04 mM PTA at pH 11.5 at 303 K. **(Panel B)** Binding isotherm obtained from integrated data of panel A plotted against molar ratio.