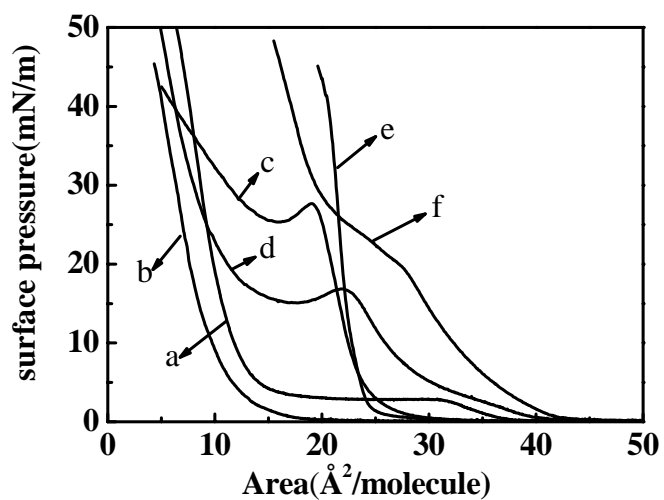


Supplementary Information



Surface pressure-area ( $\pi$ -A) isotherms of TDA on (a) pure water and metal ion solutions (0.01M) (b)  $\text{AgNO}_3$ ; (c)  $\text{Cu(NO}_3)_2$ ; (d)  $\text{Zn(NO}_3)_2$ ; (e)  $\text{Cd(NO}_3)_2$ ; (f)  $\text{Ni(NO}_3)_2$ .