

Polymerization at the alkylthiolate-Au(111) interface

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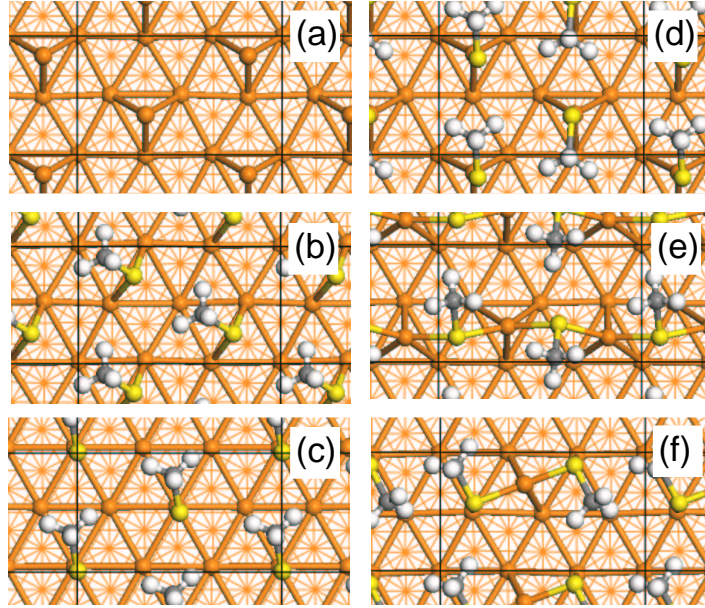


FIG. 1: Structural models for systems of different adsorbates on Au(111) discussed in the paper. (a) Au ad-atoms in fcc position, (b) MeS adsorbed in bridge-fcc, (c) MeS adsorbed atop, (d) MeSAu adsorbed in fcc, (e) $(\text{MeSAu})_x$ and (f) MeS-Au-SMe complex. Black line indicates surface cell. Color code: Orange (Au), yellow (S), grey (C) white (H).

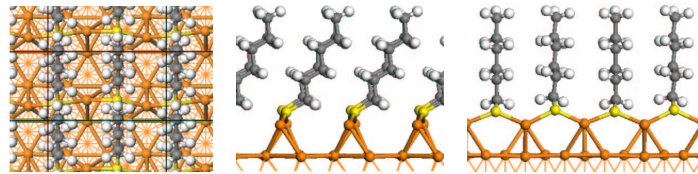


FIG. 2: Top and side views of hexylthiolate in the $(\text{RSAu})_x$ configuration. Black line indicates surface cell. Color code as in Figure 1.