

Metalization of Li_2S Nanoparticles in Li-S batteries

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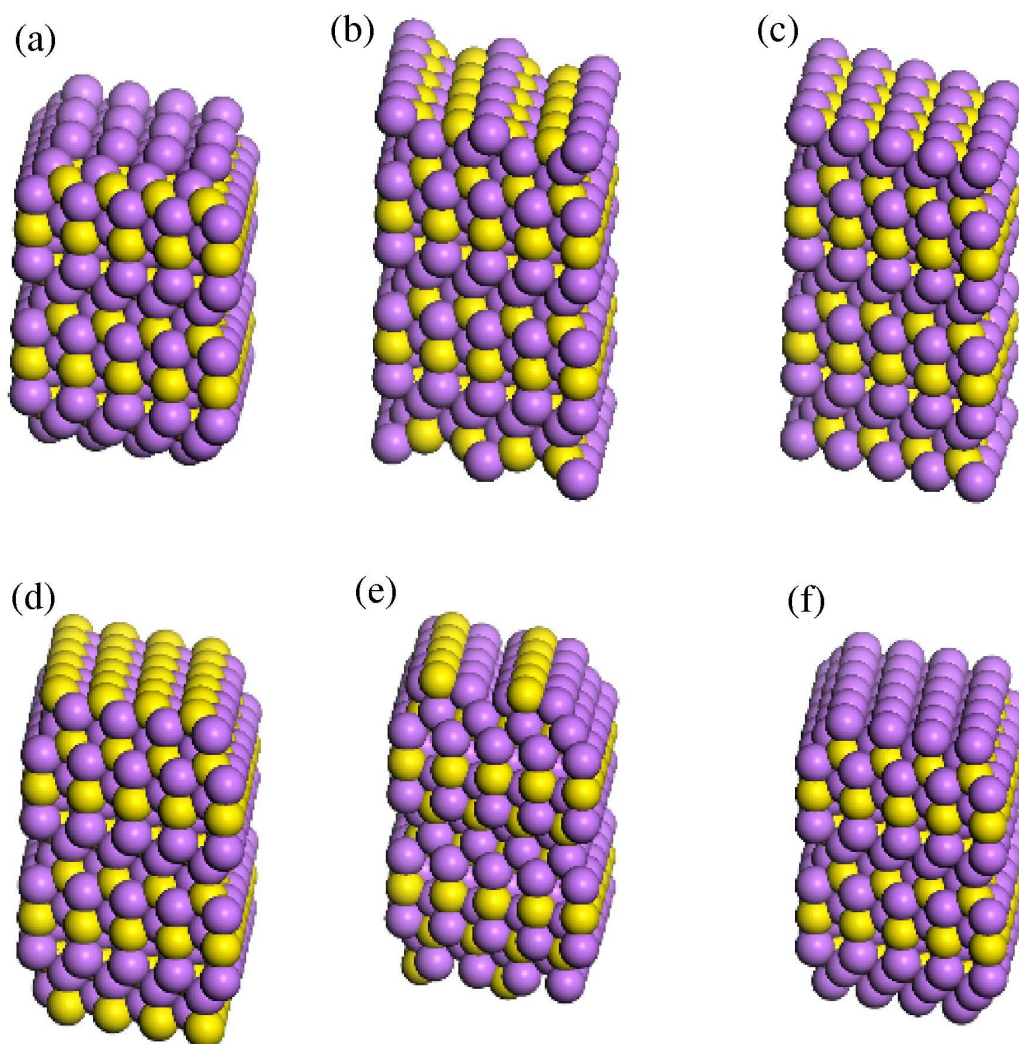


FIG. 1: Atomic structures of (c,d) unreconstructed stoichiometric and (a,b,e,f) non-stoichiometric $\text{Li}_2\text{S}(111)$ surfaces that have been considered to plot the Figure 4 of the manuscript.

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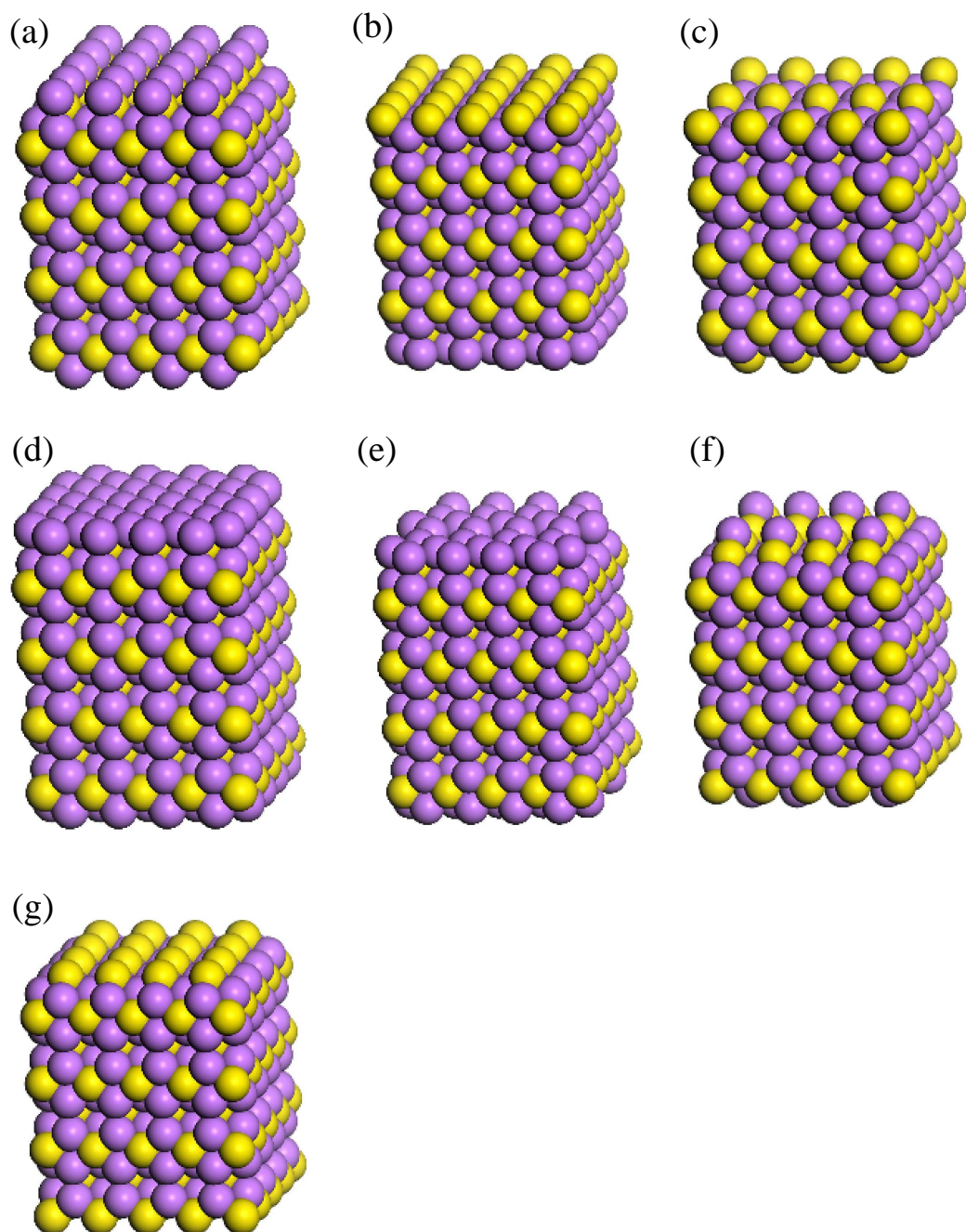


FIG. 2: Atomic structures of the (a,c) reconstructed and (b) unreconstructed stoichiometric as well as (d-g) non-stoichiometric $\text{Li}_2\text{S}(100)$ surfaces that have been considered to plot the Figure 4 of the manuscript.

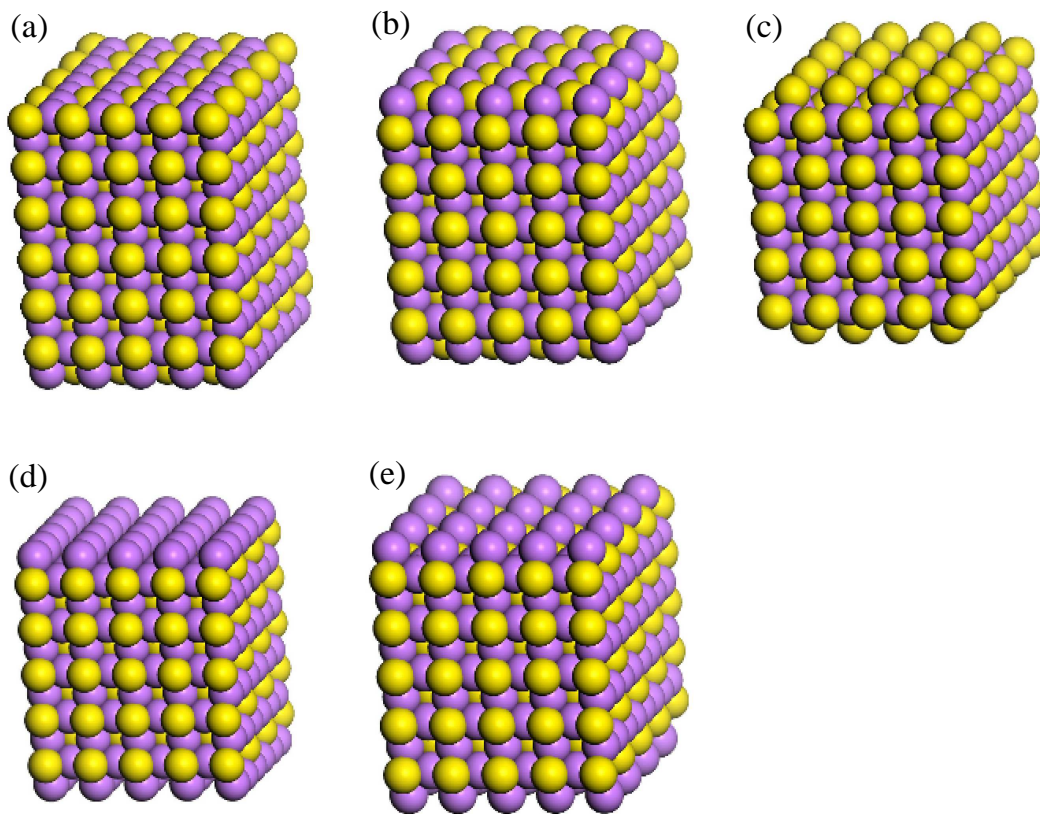


FIG. 3: Atomic structures of (a) unreconstructed stoichiometric and (b–e) non-stoichiometric $\text{Li}_2\text{S}(110)$ surfaces that have been considered to plot the Figure 4 of the manuscript.