

On the electronic structure of 2H-MoS₂: Correlating observations made by in-situ mechanical bending on TEM

Manuel Ramos, Oscar A. López-Galán, Javier Polanco, Miguel José Yacamán

SUPPLEMENTAL MATERIALS

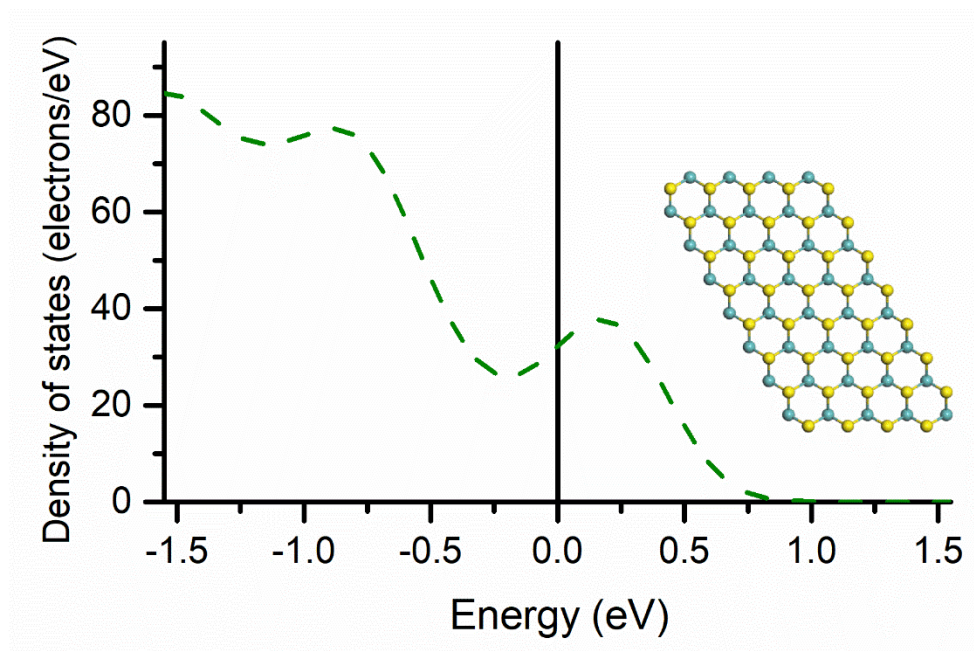


Figure S1. Total density of states of the 2H-MoS₂ molecular layer with no bending. Cyan balls represent the position of molybdenum and yellow balls represent sulfur.

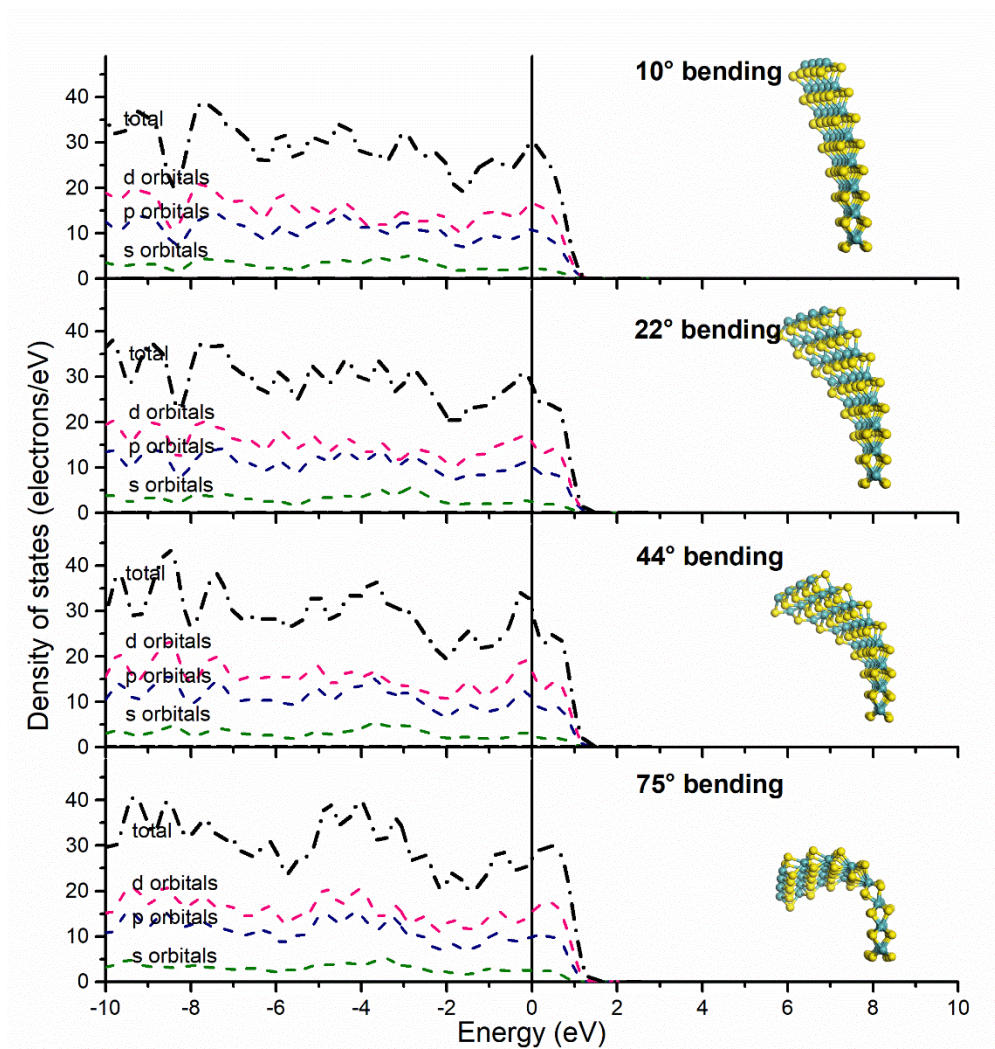


Figure S2. Total and partial density of states computed for the MoS₂ molecular model at 10°, 22°, 44° and 75° of mechanical bending from -10 eV to 10 eV. The observations made by in-situ HRTEM technique, showing the induced bending curvature for 2H-MoS₂ layers, were used to extract the molecular models used for the calculations. Cyan balls represent the position of molybdenum and yellow balls represent sulfur.