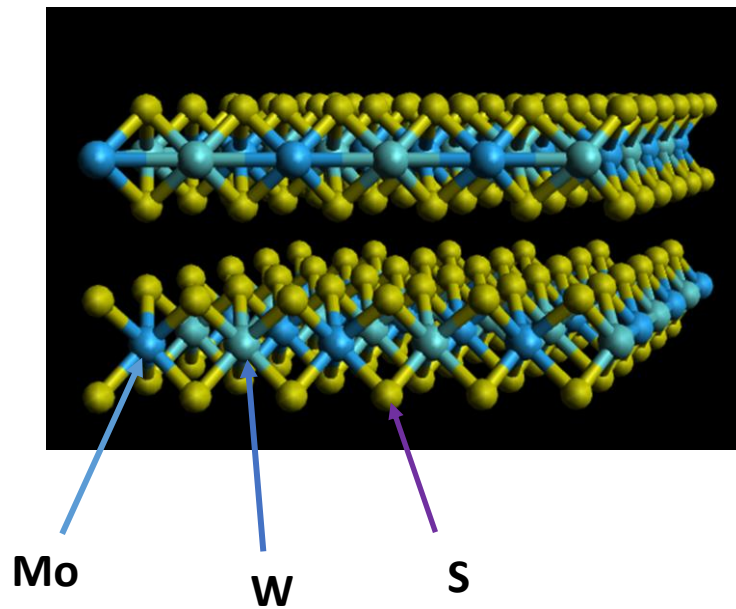
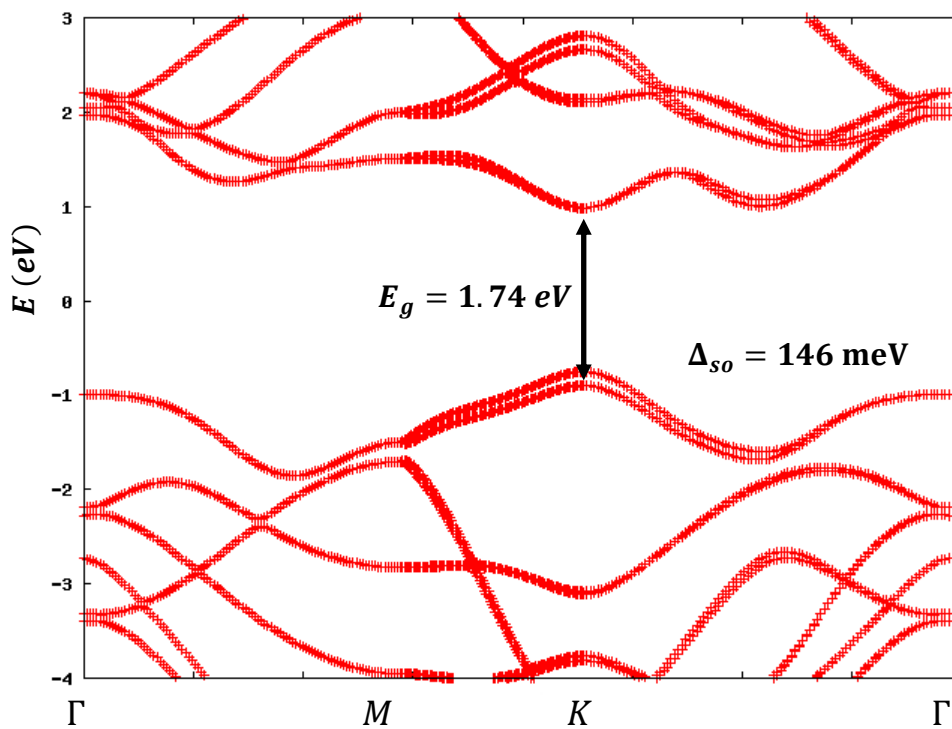


**$\text{Mo}_{1-x}\text{W}_x\text{S}_2$  alloy crystal structure:**

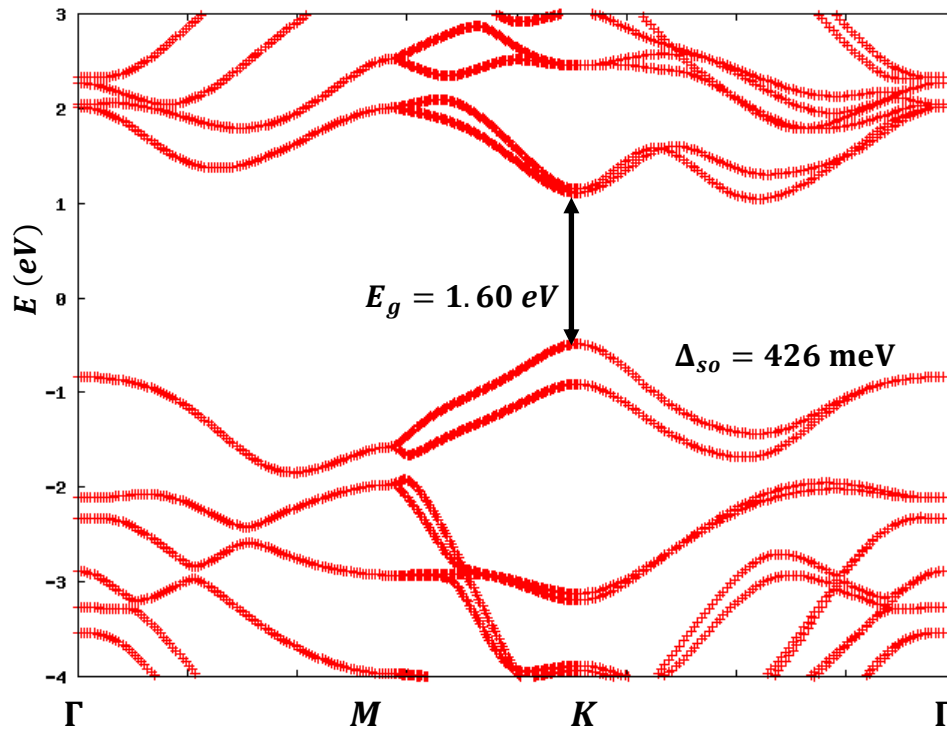
**$x = 0.5$  (*p63mc*, #186)**



**Spinorial Band structure of  $\text{MoS}_2$  calculated with US pseudopotential**



### Spinorial Band structure of WS<sub>2</sub> calculated with US pseudopotential



### Spinorial Band structure of MoWS<sub>2</sub> calculated with US pseudopotential

