

## Supplementary information

“NiX<sub>2</sub> (X = Cl and Br) sheets as promising spin materials: A first-principles study” by Muhammad Mushtaq, Yungang Zhou and Xia Xiang

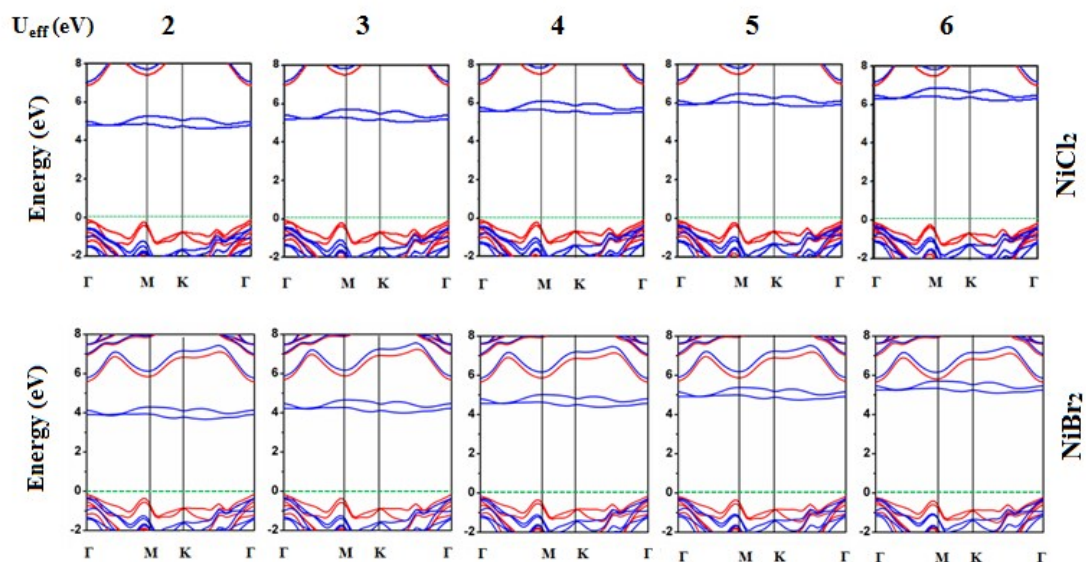


Figure 1S. Band structures of NiCl<sub>2</sub> and NiBr<sub>2</sub> sheets with different values of  $U_{eff}$ .

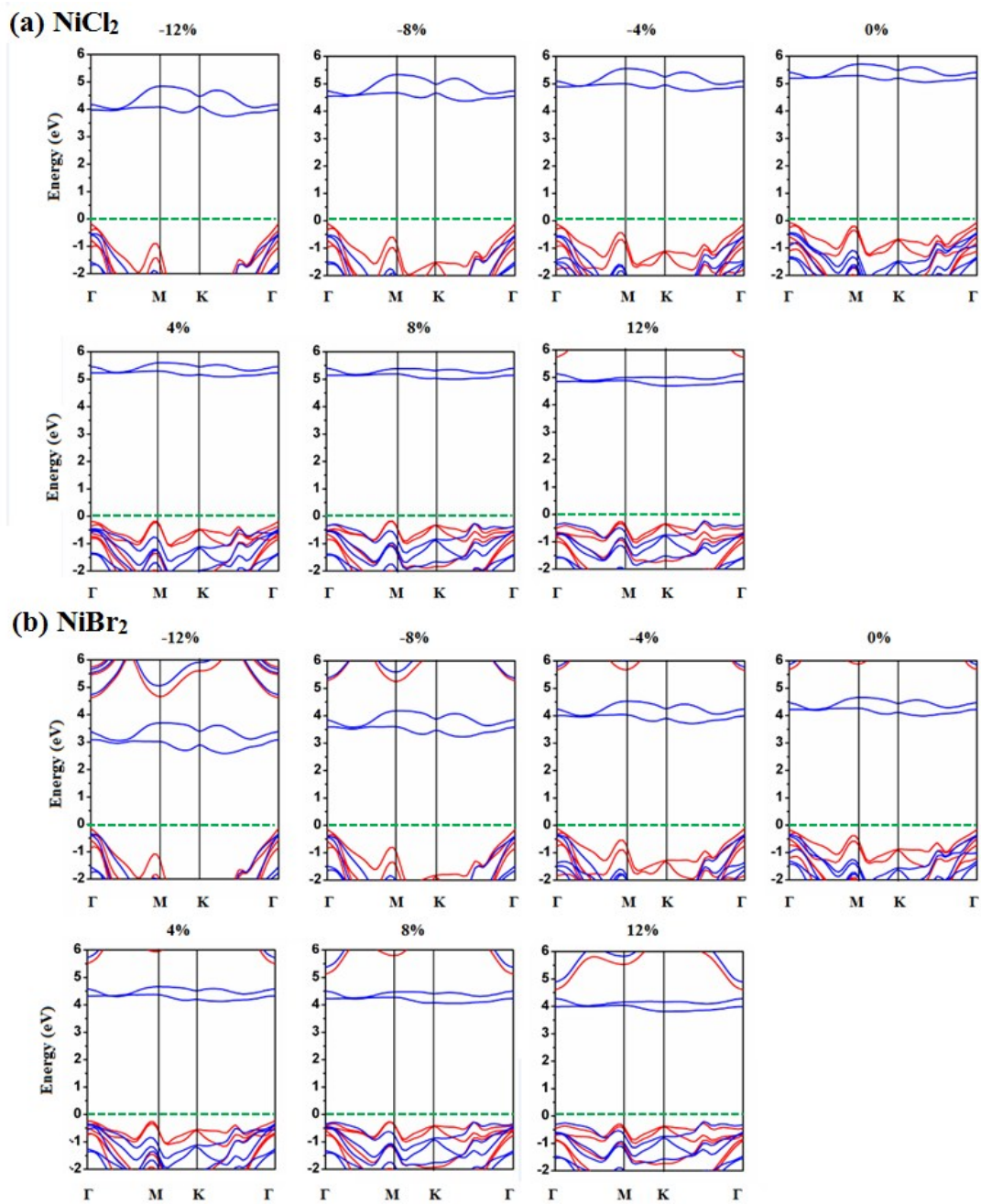


Figure 2S. Band structure of NiCl<sub>2</sub> and NiBr<sub>2</sub> sheets under different strains.