

Supplementary Information

Tunable electronic band structure and magnetic anisotropy in two-dimensional Dirac half-metal MnBr_3 by external stimulus: strain, magnetization direction, and interlayer coupling

Fangyuan Xie, Zhengyu Yin, Baozeng Zhou*, Yanhong Ding*

Tianjin Key Laboratory of Film Electronic & Communicate Devices, School of Integrated Circuit Science and Engineering, Tianjin University of Technology, Tianjin 300384, China

*Corresponding Authors

baozeng@tju.edu.cn (B. Zhou)

lucydyh@163.com (Y. Ding)

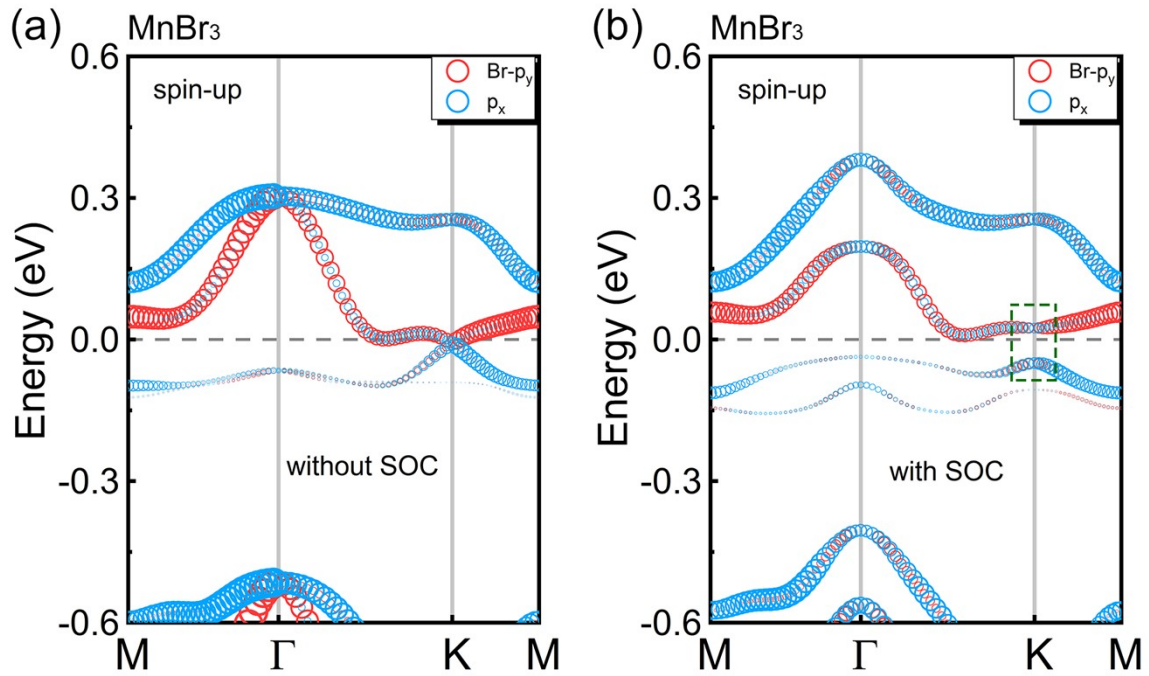


Fig. S1. Atomic-orbital resolved band structures of the spin-up channel in MnBr₃ (a) without SOC and (b) with SOC. The bubble size denotes the amplitude of the orbital-resolved character.