

Supplementary Information

Engineering the electronic structures and ferromagnetism of Fe₂C monolayers via surface functionalization¹

Xiaolong He ^{a, &}, Yaya Lou ^{a, &}, Dongni Wu ^a, and Jing Xie ^{a, *}

^a College of Physics and Electronic Science, Guizhou Normal University, Guiyang 550001, China

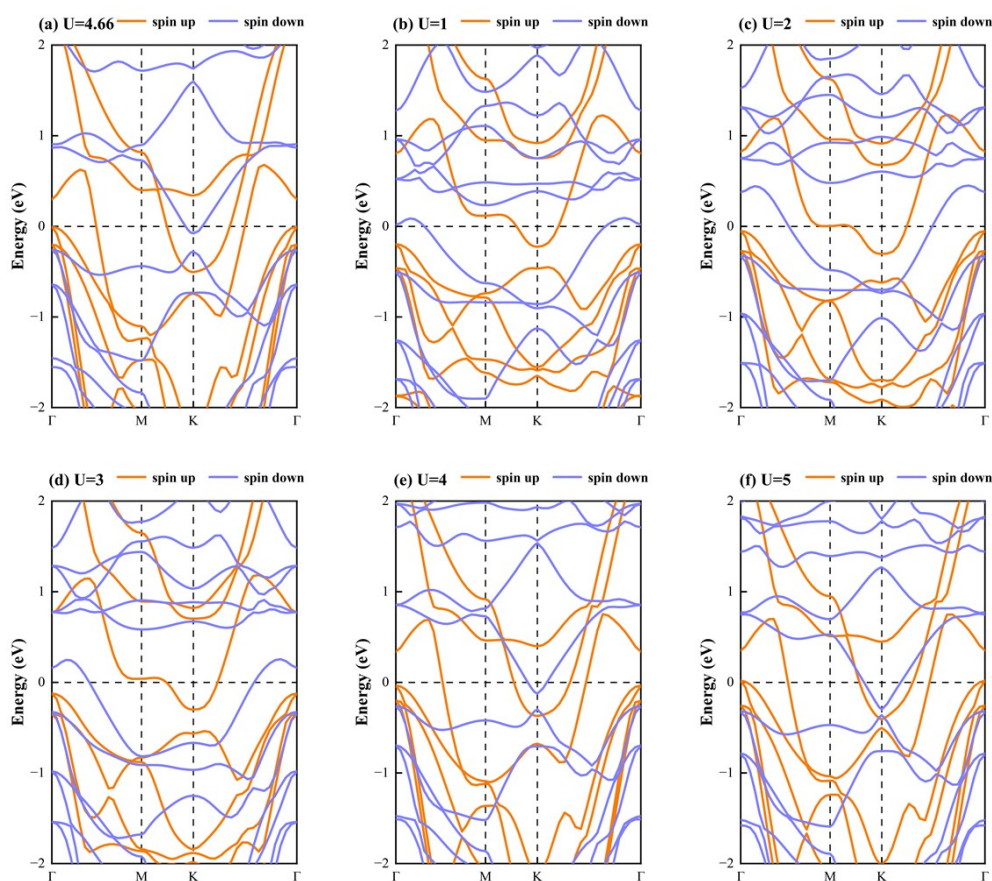


Fig. S1. The band structures of monolayer Fe₂Br₂ based on PBE+U method. (a) U = 4.66 eV, (b) U = 1 eV, (c) U = 2 eV, (d) U = 3 eV, (e) U = 4 eV, (f) U = 5 eV.

*Corresponding author at: College of Physics and Electronic Science, Guizhou Normal University, Guiyang 550001, China.

E-mail address: 511492231@qq.com (Jing Xie).

&These authors are co-first authors of the article.