

Figure S1. The most stable adsorption configuration of Co(a) and Ni(b) atoms on Ti_2CO_2 .

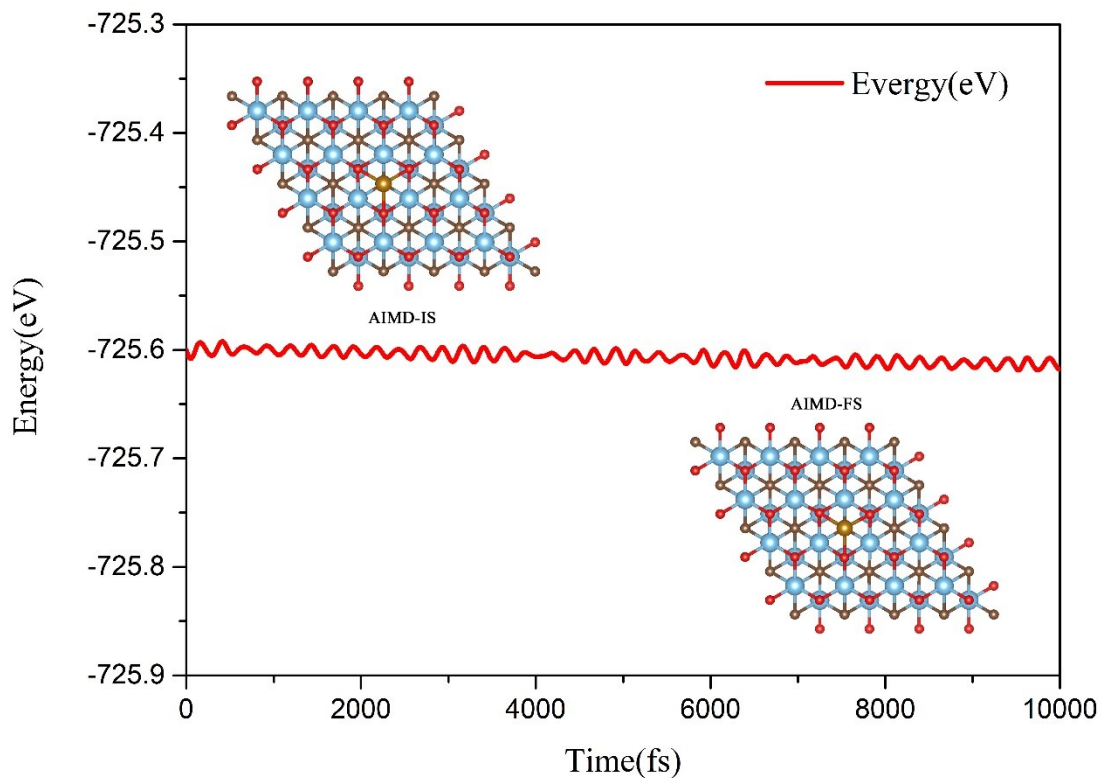


Figure S2. Energy curve within 10 ps at 300 K by AIMD (Ab initio molecular dynamics), the initial state (IS), and final state (FS) are shown in the figure.

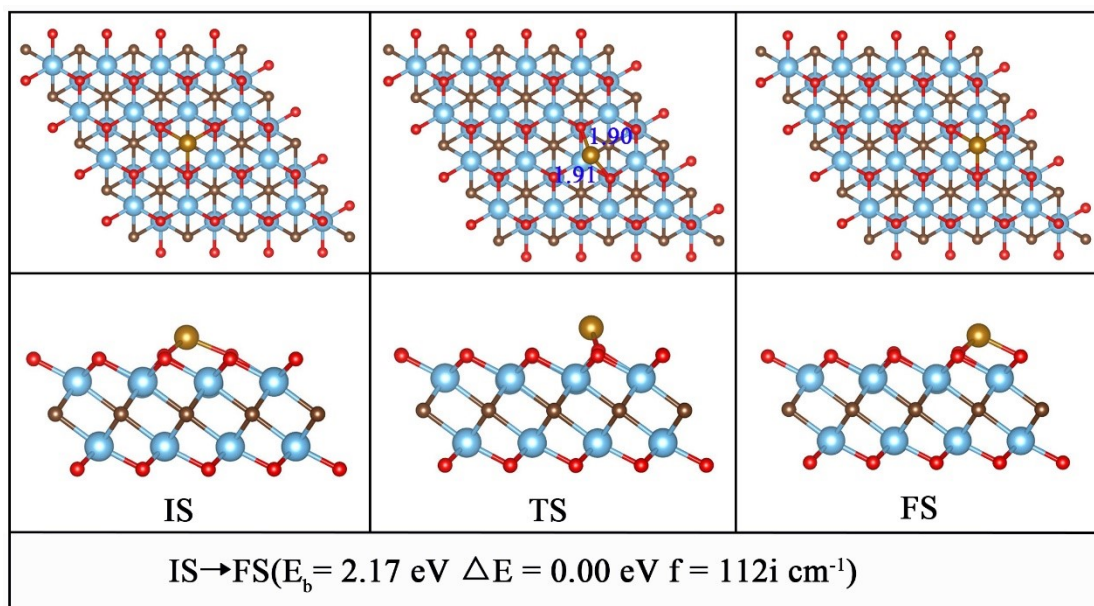


Figure S3. The schematic energy distribution of a single Fe atom moving from the most stable position(Site-B) on the Fe₁/Ti₂CO₂ monolayer to its adjacent position(Site-B).