

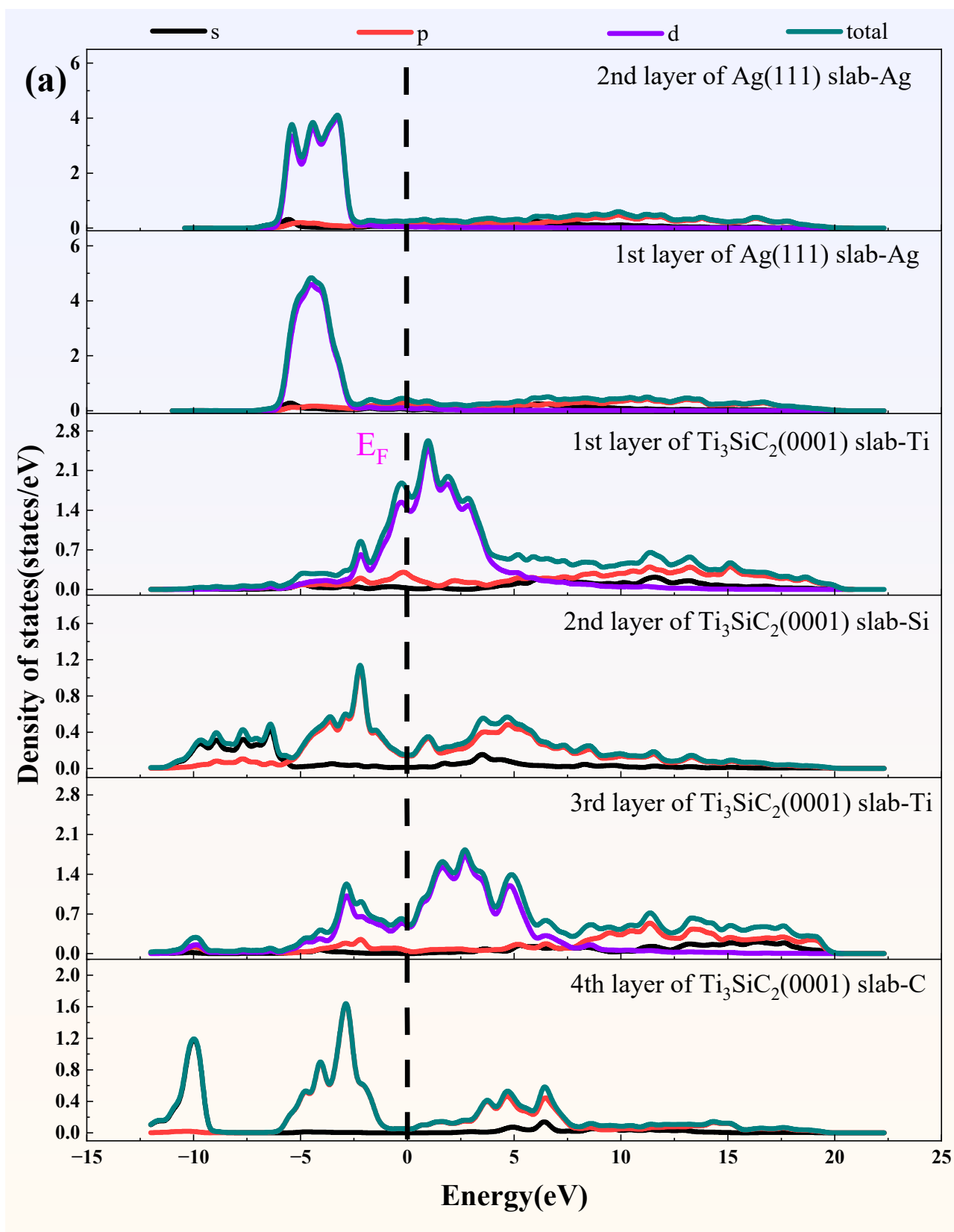


Figure S1. The Partial Density of States for the HCP stacked $\text{TiSi-Ti}_3\text{SiC}_2(0001)/\text{Ag}(111)$ interface.

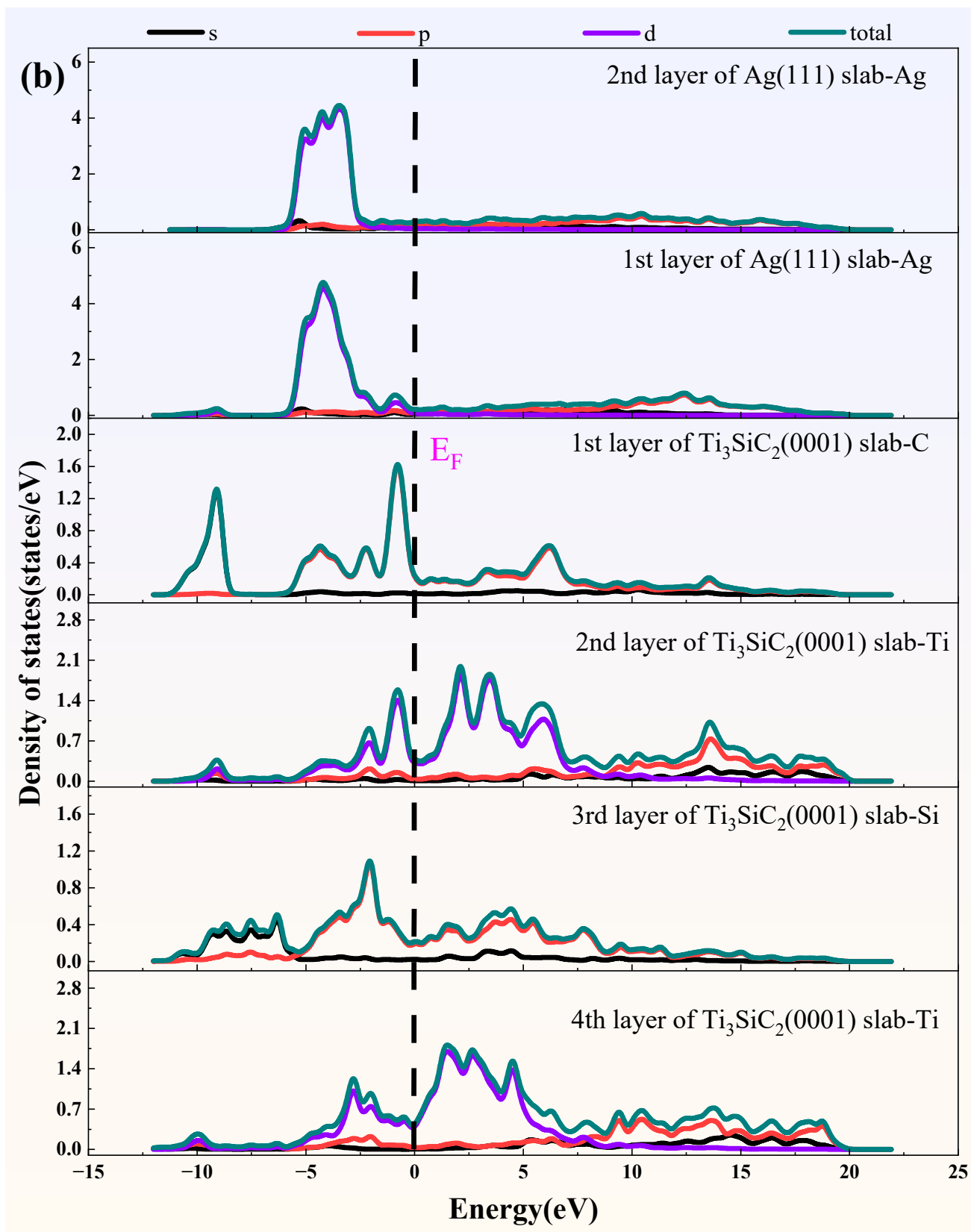


Figure S2. The Partial Density of States for the HCP stacked C(TiSi)- $\text{Ti}_3\text{SiC}_2(0001)/\text{Ag}(111)$ interface

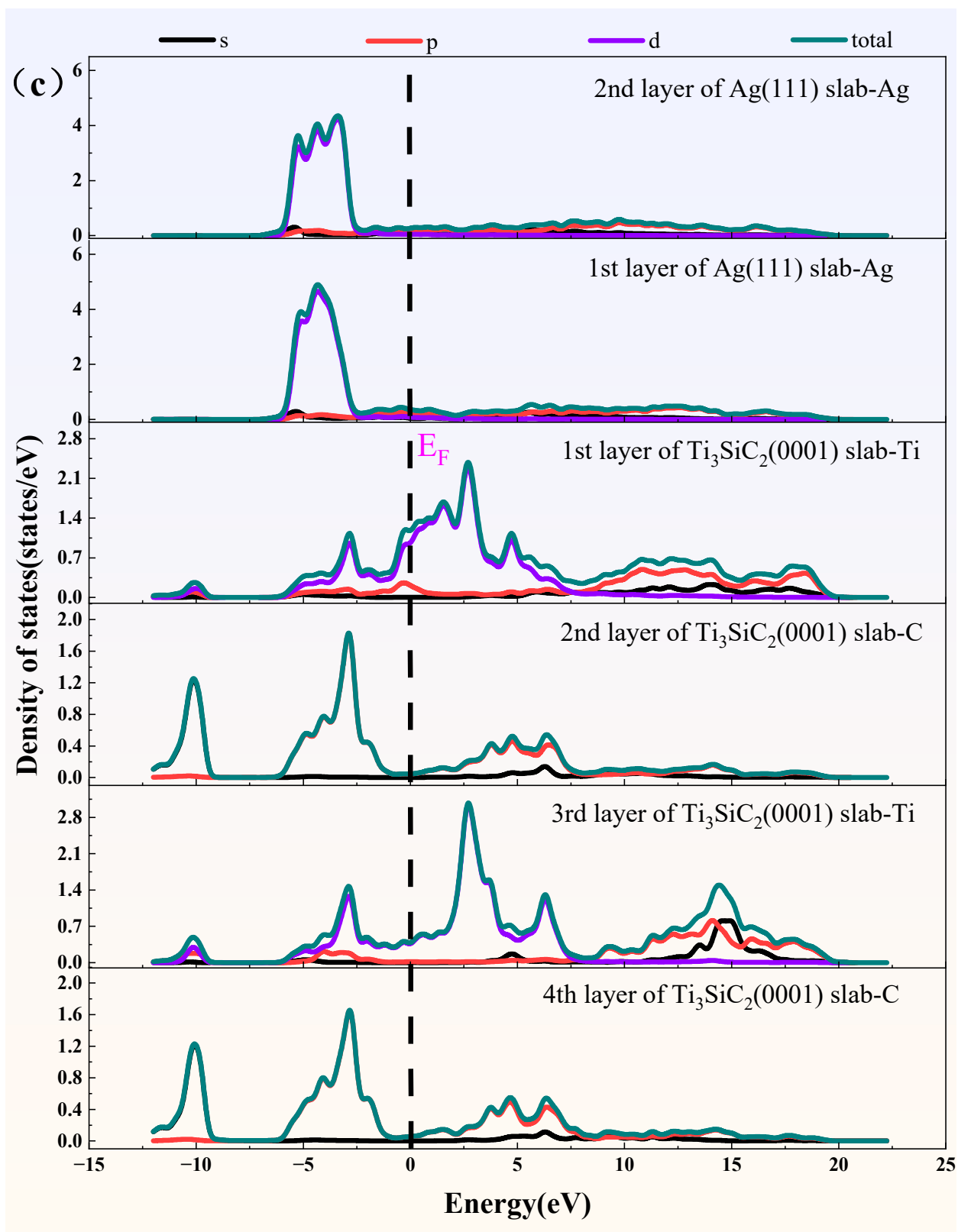


Figure S3. The Partial Density of States for the HCP stacked TiC(TiC)- $\text{Ti}_3\text{SiC}_2(0001)/\text{Ag}(111)$ interface.

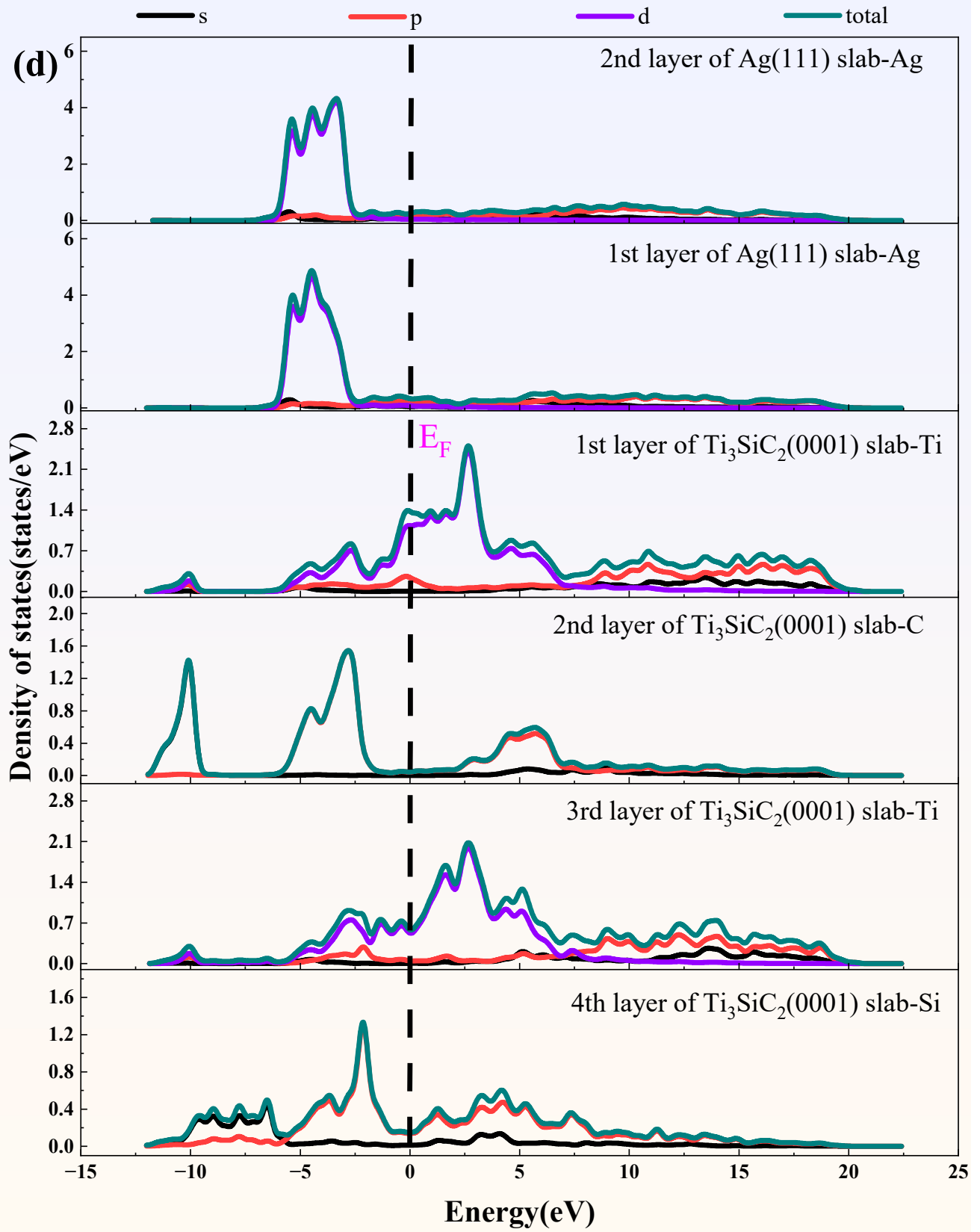


Figure S4. The Partial Density of States for the HCP stacked TiC(TiSi)- $\text{Ti}_3\text{SiC}_2(0001)/\text{Ag}(111)$ interface

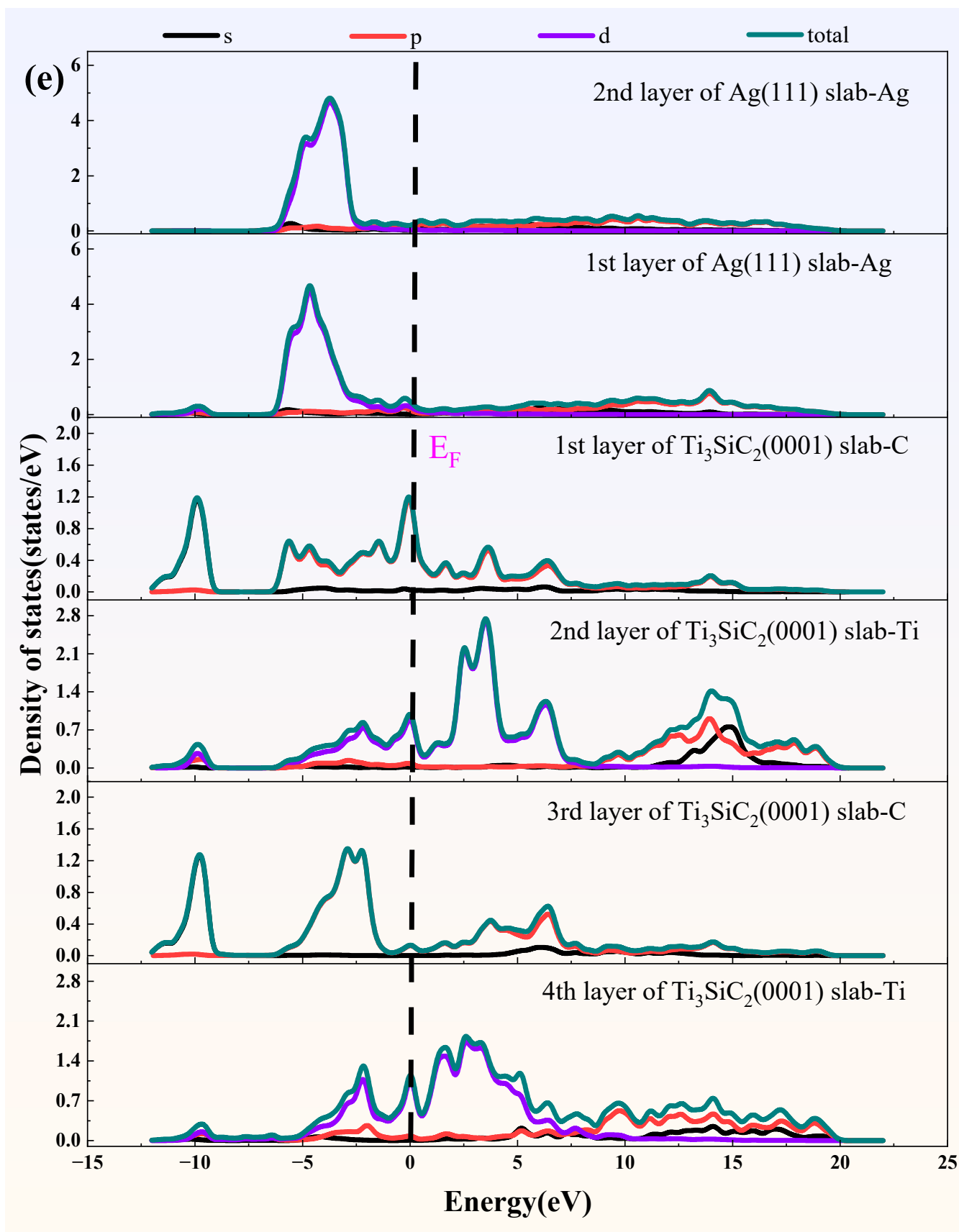


Figure S5. The Partial Density of States for the HCP stacked C(TiC)- $\text{Ti}_3\text{SiC}_2(0001)/\text{Ag}(111)$ interface

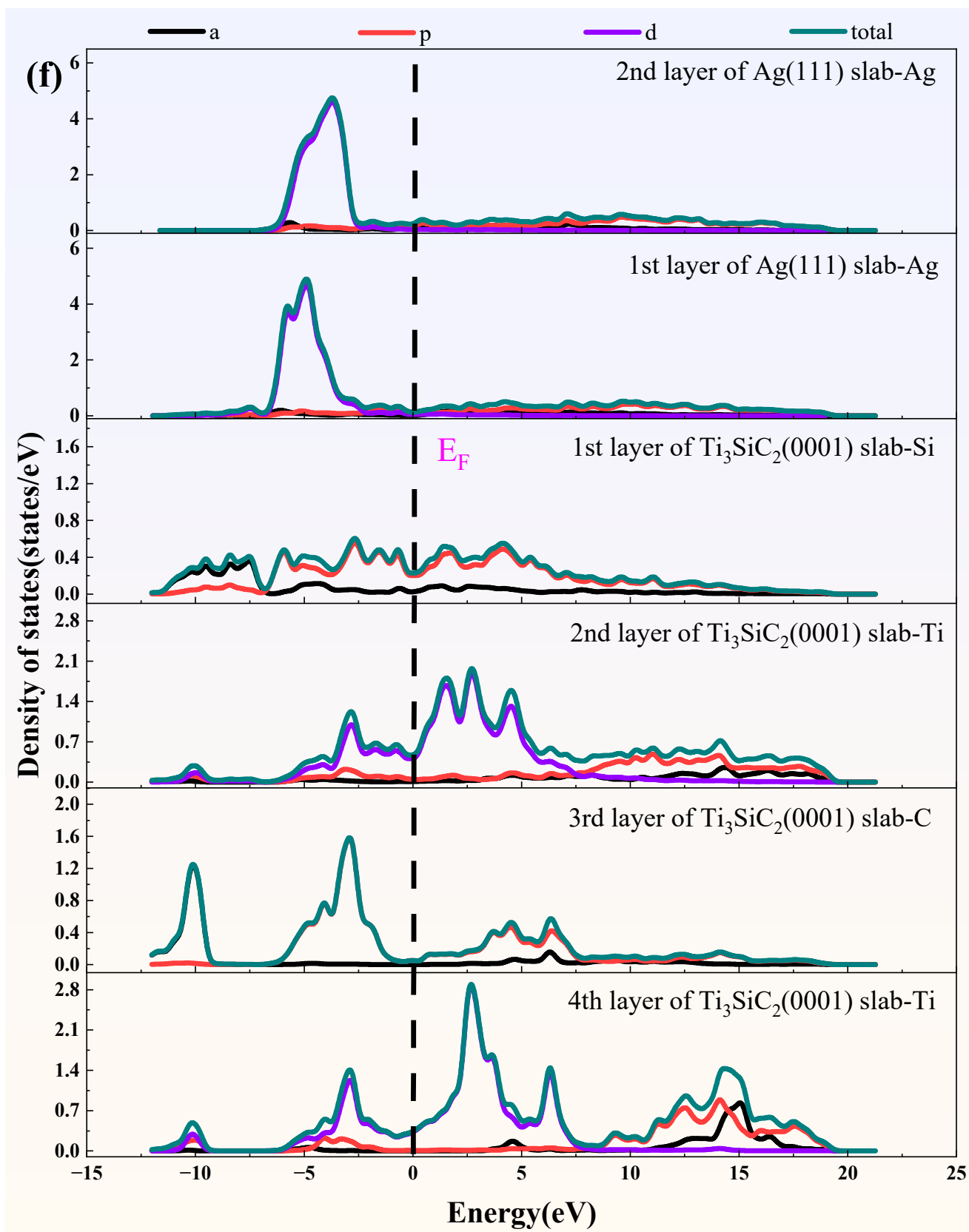


Figure S6. The Partial Density of States for the HCP stacked Si- $\text{Ti}_3\text{SiC}_2(0001)/\text{Ag}(111)$ interface

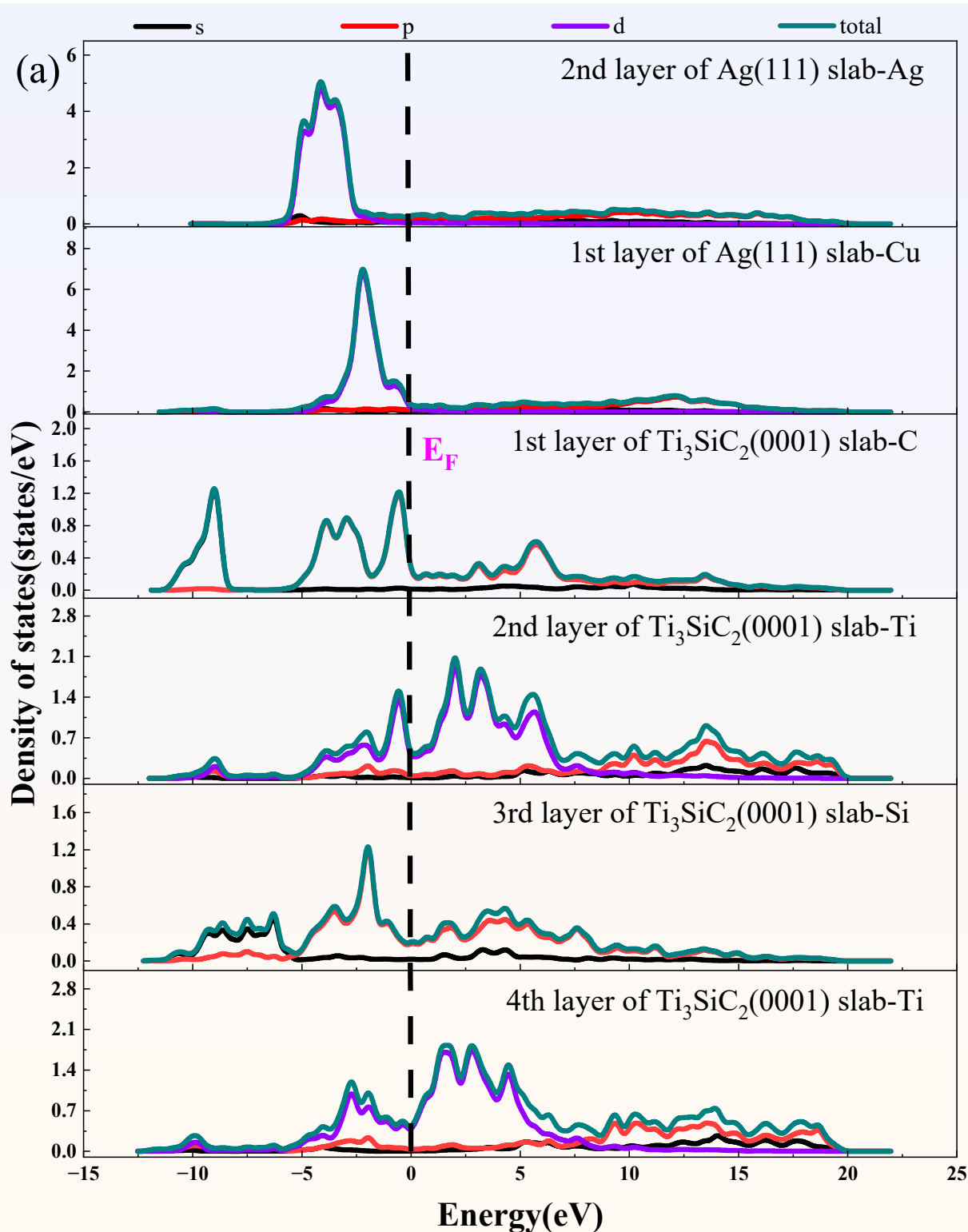


Figure S7. The PDOS for Cu doped $\text{Ti}_3\text{SiC}_2(0001)/\text{Ag}(111)$ interface model

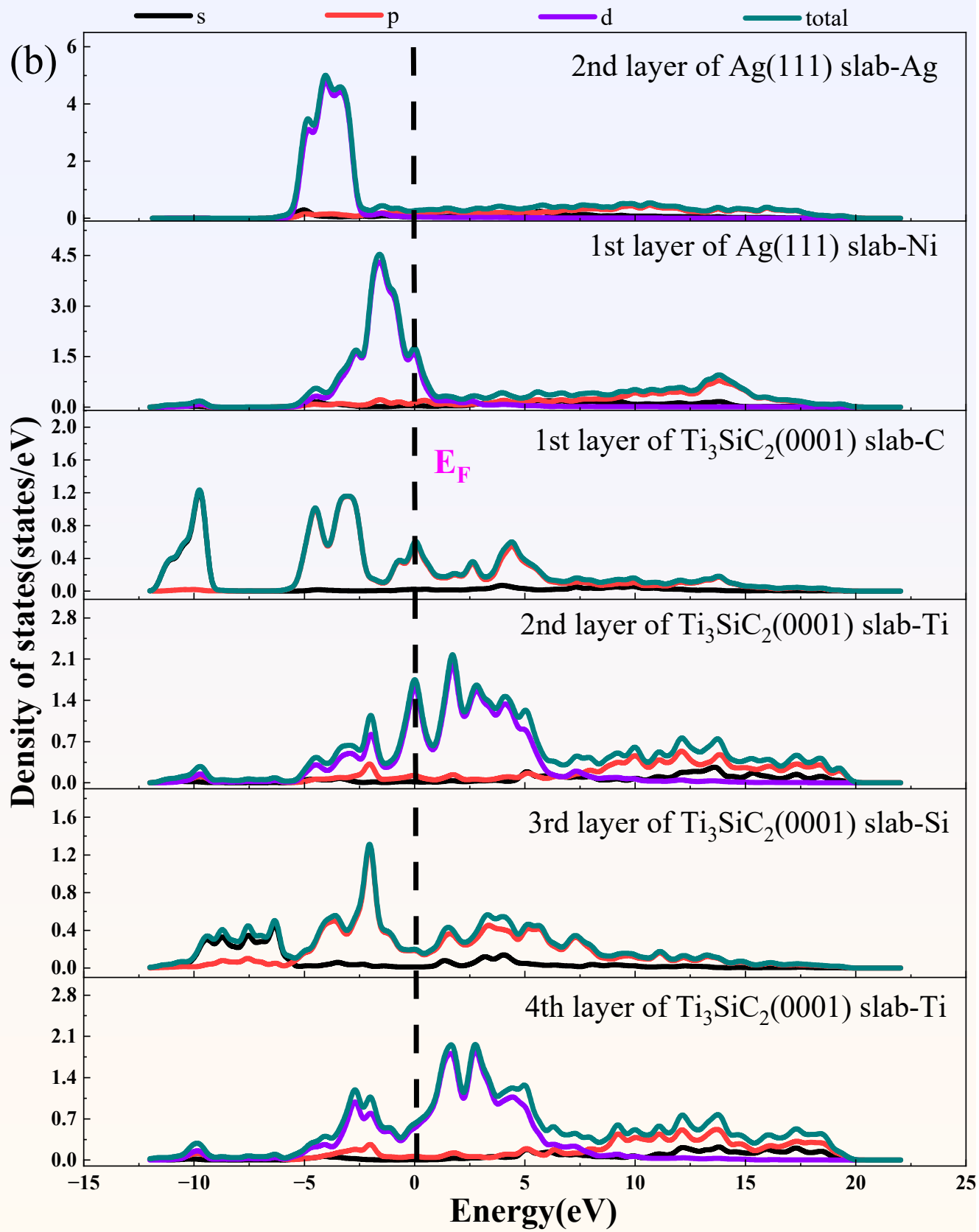


Figure S8. The PDOS for Ni doped $\text{Ti}_3\text{SiC}_2(0001)/\text{Ag}(111)$ interface model

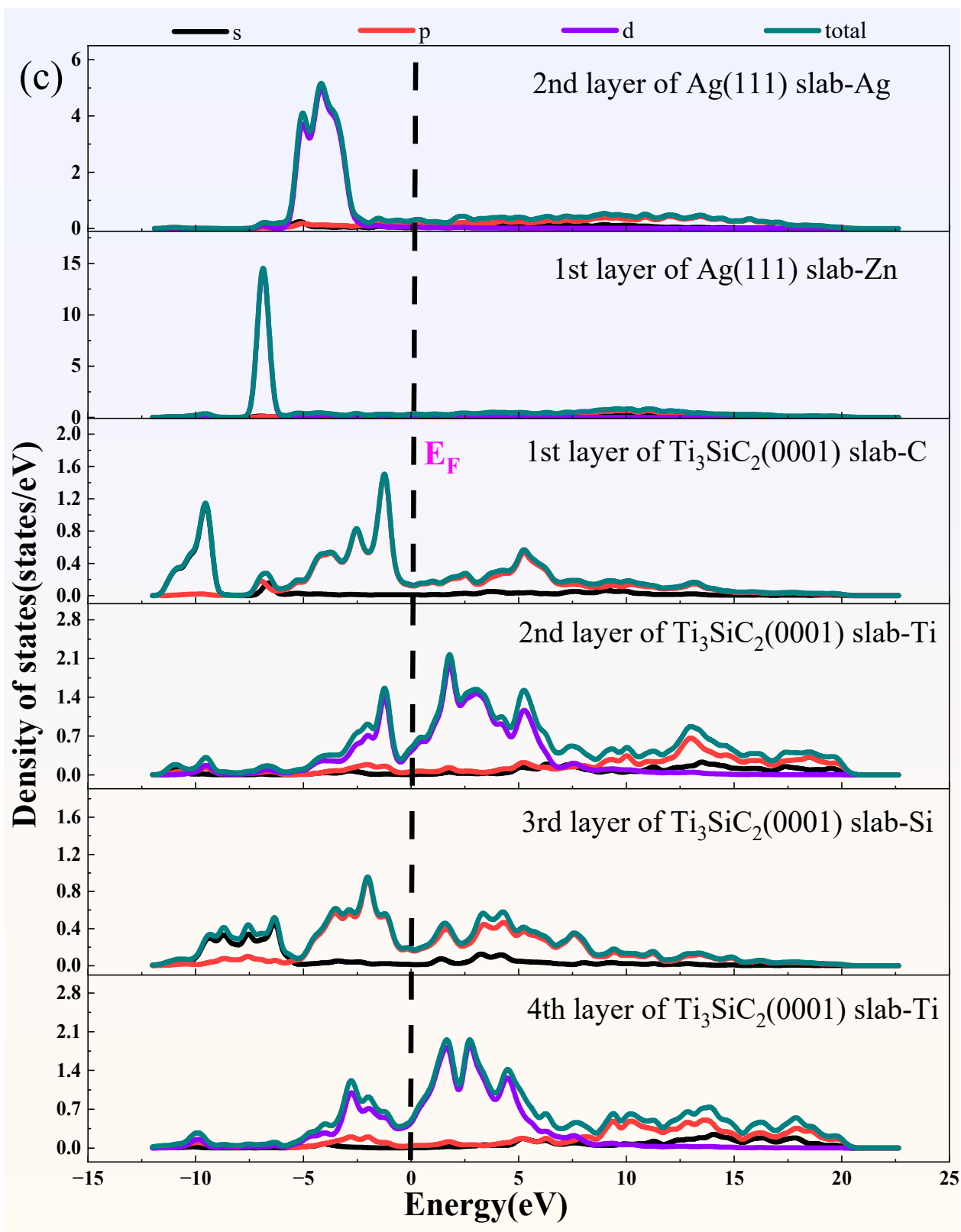


Figure S9. The PDOS for Zn doped $\text{Ti}_3\text{SiC}_2(0001)/\text{Ag}(111)$ interface model.

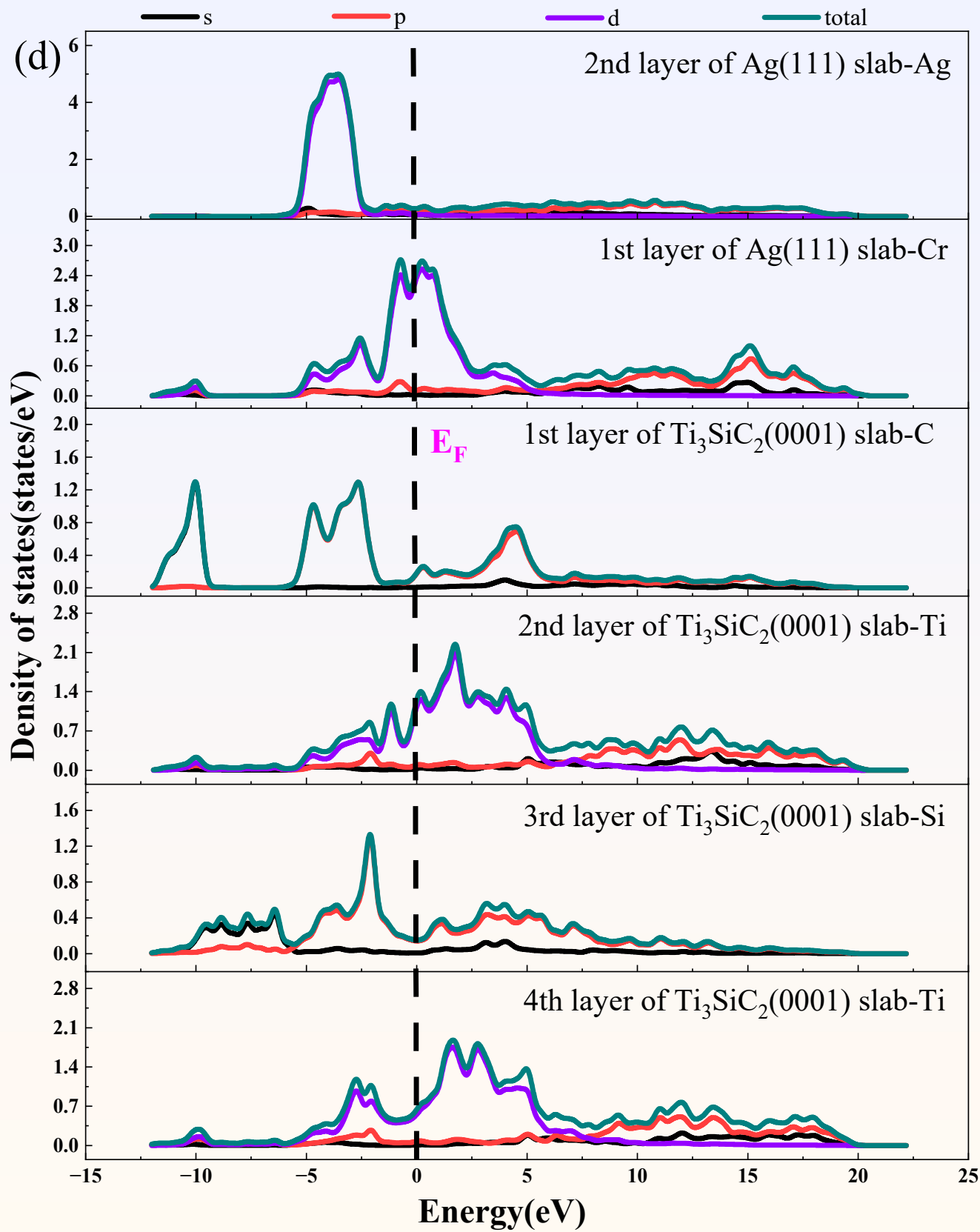


Figure S10 The PDOS for Cr doped $\text{Ti}_3\text{SiC}_2(0001)/\text{Ag}(111)$ interface model