

Supplemental Material for
Modulating the electronic properties of silicene allotropes
through the synergistic effect of different geometric
configurations and edge hydrogenation

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Here, we provide all the geometric structures (S1 and S2), band structures and density of states (S3 and S4) of TO-SiNRs in the calculation process. S1 is the structure diagram of intrinsic TO-SiNRs before and after relaxation. S2 is the structure diagram of TO-SiNRs before and after relaxation under edge hydrogenation. S3 is the band structure and density of states diagram of intrinsic TO-SiNRs; s4 is the band structure and density of states of TO-SiNRs after edge hydrogenation.

Fig. S1.

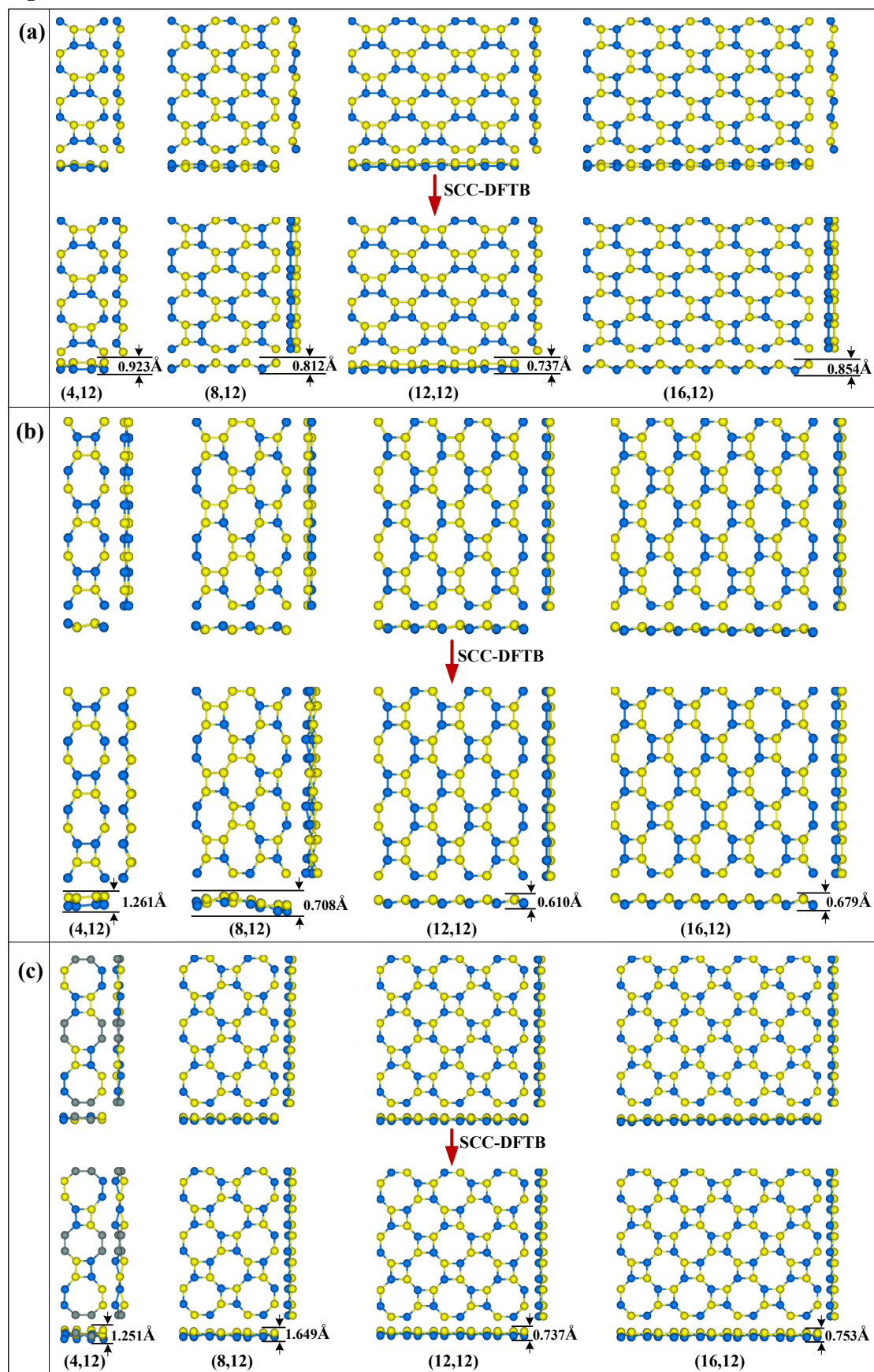


Fig. S2.

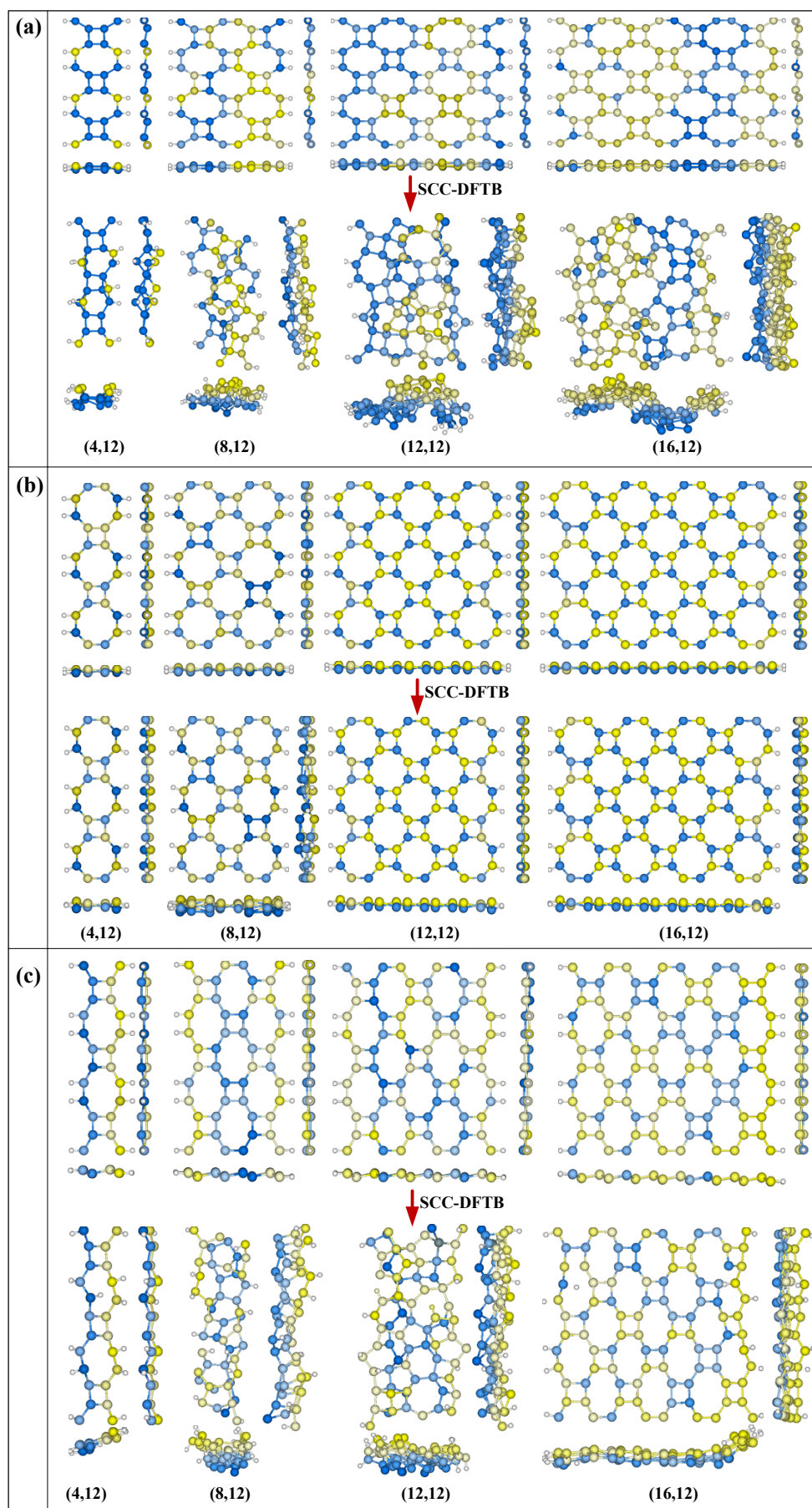


Fig. S3.

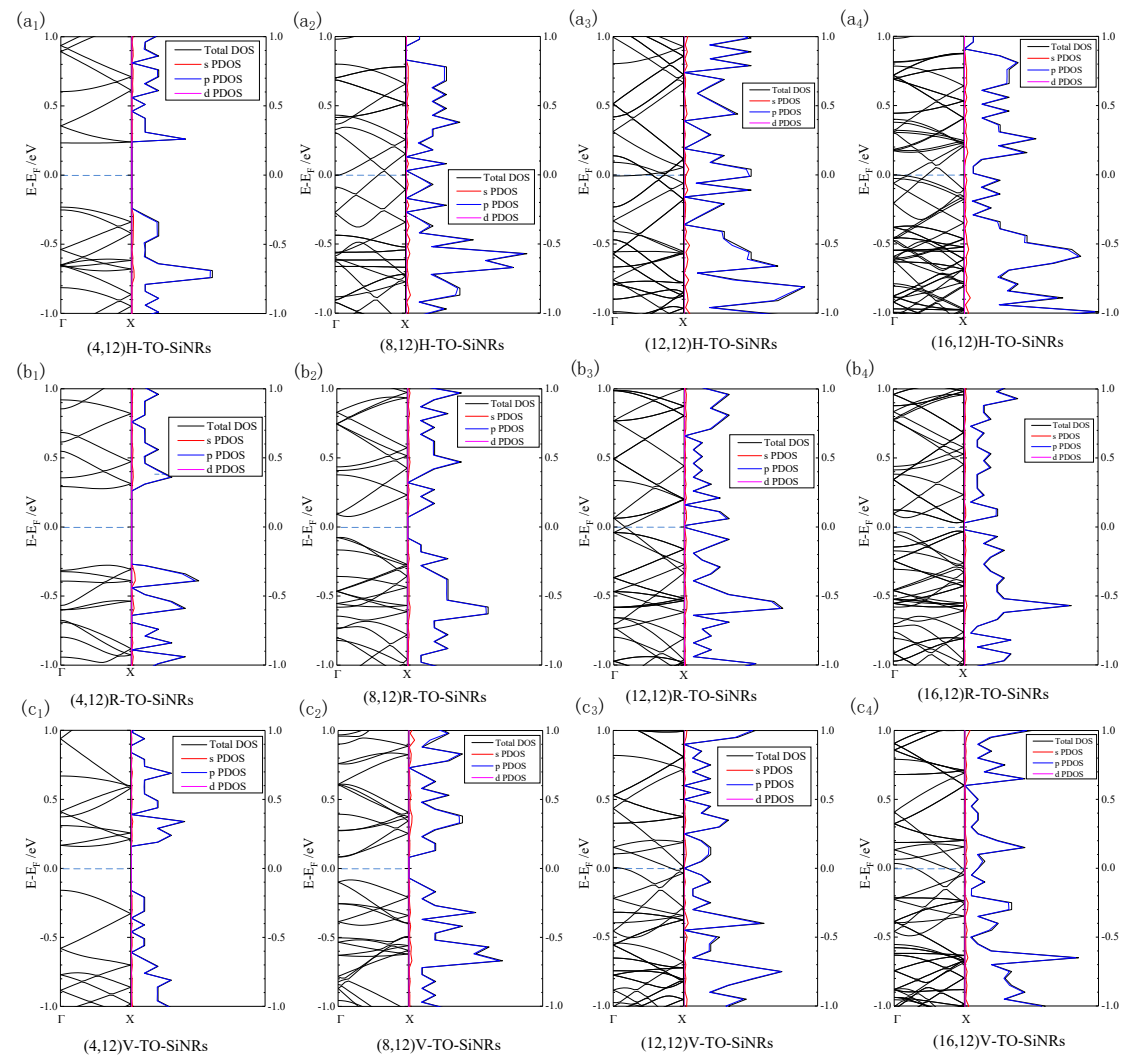


Fig. S4.

