

**Band Gap Modulation of Janus Graphene Nanosheets by
Interlayer Hydrogen Bonding and External Electric Field: A
Computational Study**

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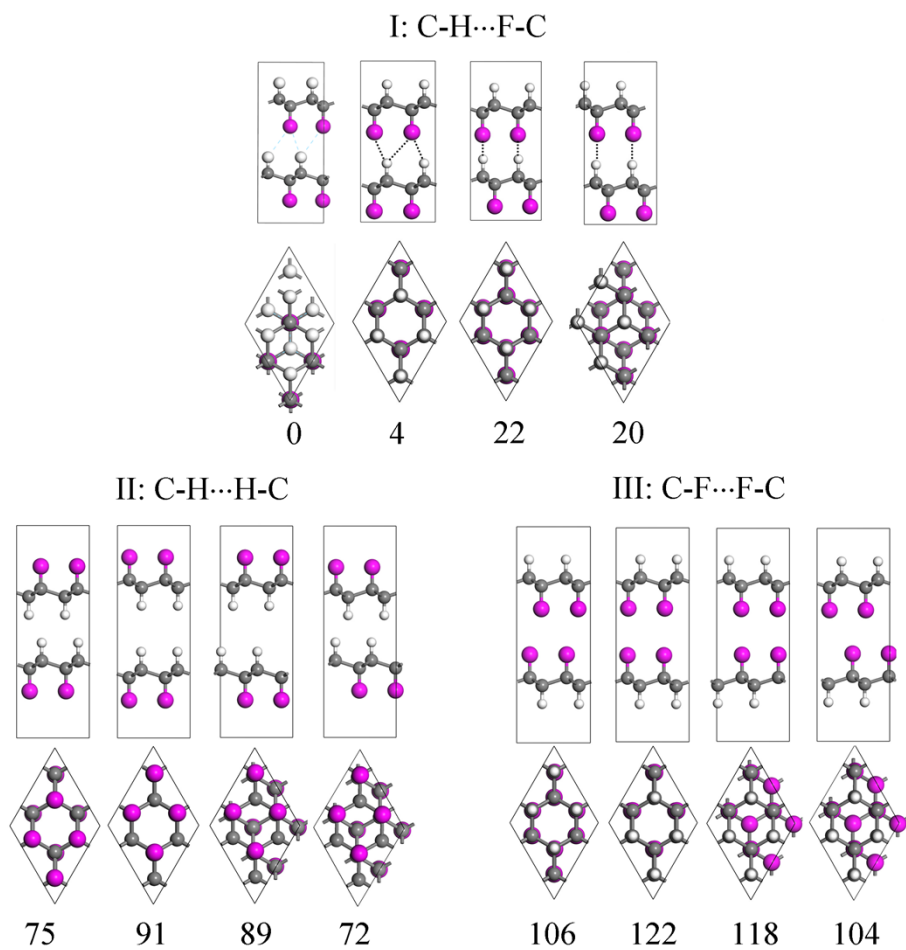


FIG. S1. Side (upper) and top (bottom) view of the representative configurations of HGF bilayer in three different stacking patterns with relative energy (in unit of meV/unit cell) to the lowest-energy configuration.

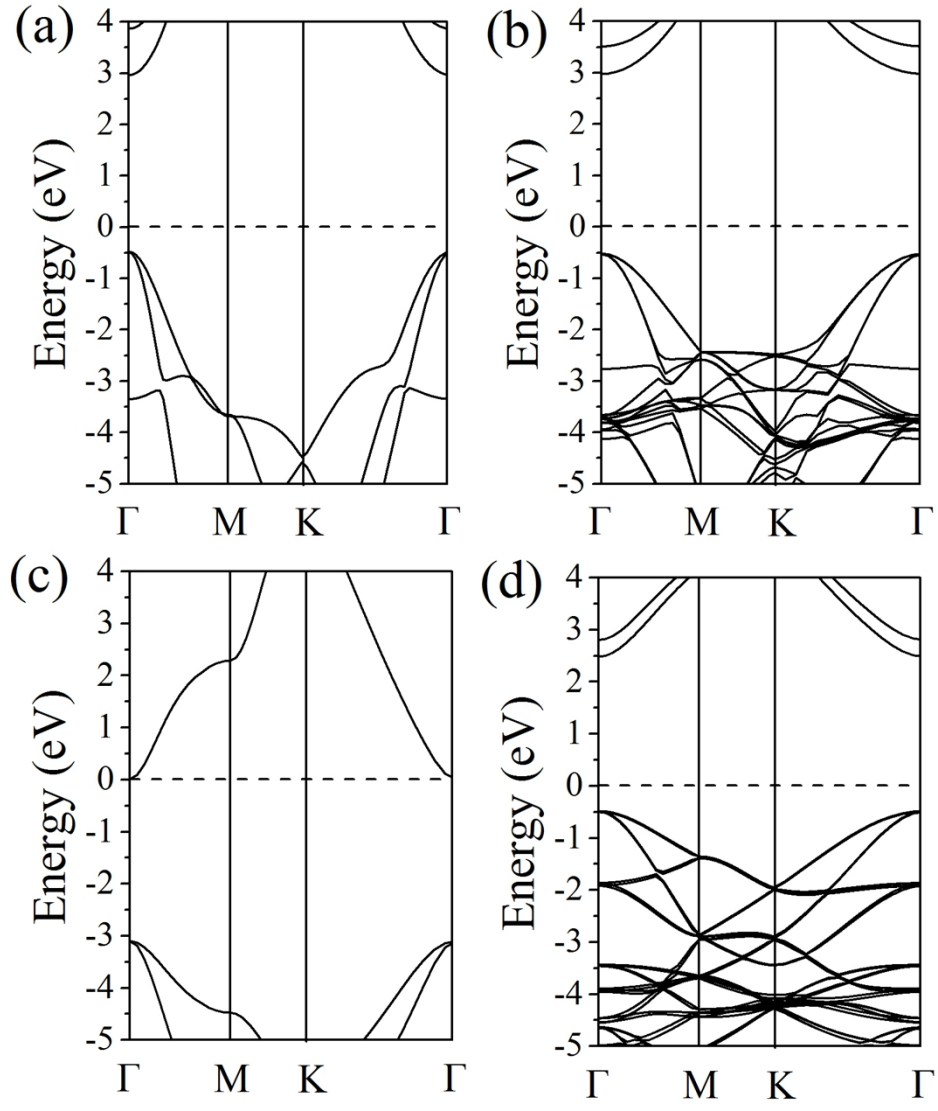


FIG. S2. Electronic band structures of (a) graphane monolayer, (b) graphane bilayer, (c) fluorographane monolayer and (d) fluorographane bilayer.