Supporting information for

Functionalized hexagonal boron nitride bilayers: Desirable electrooptical properties for optoelectronic applications

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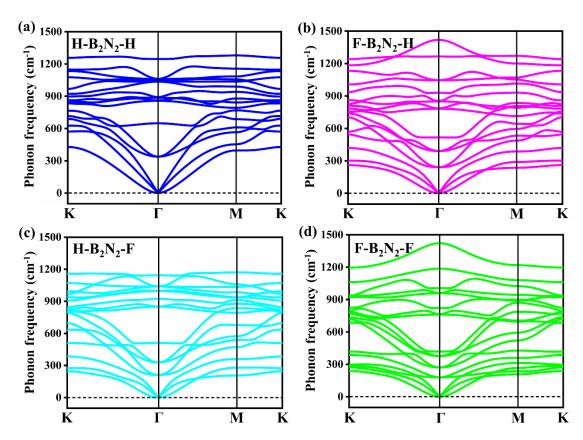


Fig. S1 (a)-(d) Phonon spectra of functionalized h-BN bilayers, in which the phonon vibration modes with lower frequencies are provided for the H-B₂N₂-H, F-B₂N₂-H, H-B₂N₂-F, and F-B₂N₂-F.

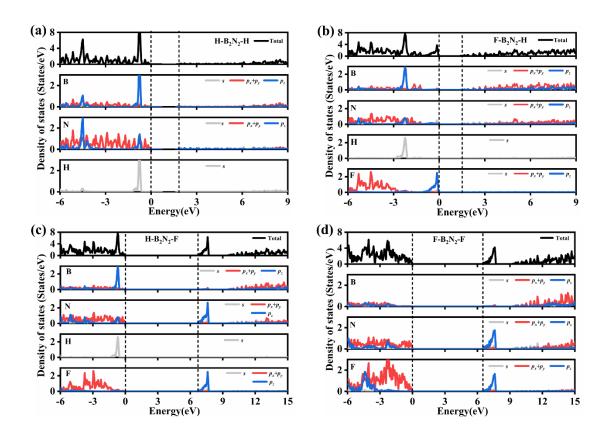


Fig. S2 The total and projected density of states of the observed systems: (a) $H-B_2N_2-H$, (b) $F-B_2N_2-H$, (c) $H-B_2N_2-F$, and (d) $F-B_2N_2-F$.