

Supporting information for

Electro-optical properties of a strain-induced borocarbonitride monolayer from many-body perturbation theory

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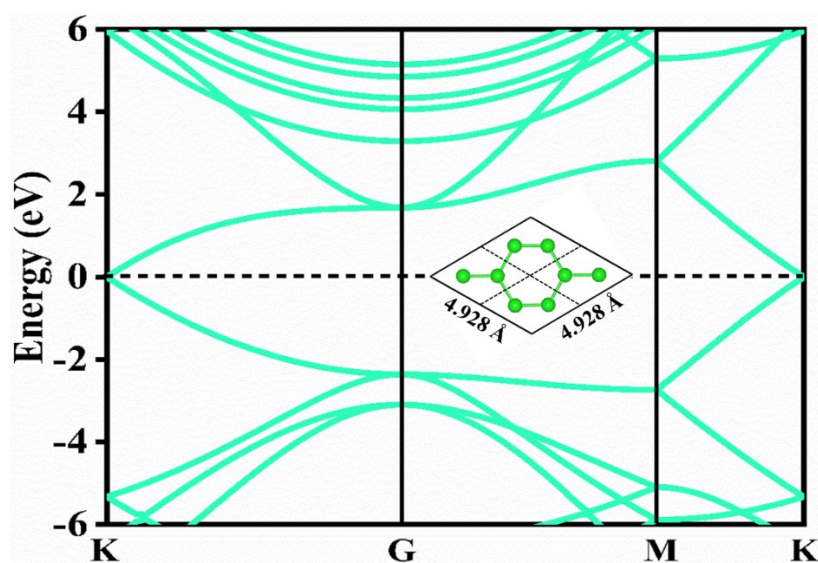


Fig. S1 Band structure of graphene at PBE level, in which 2×2 supercell has been considered.

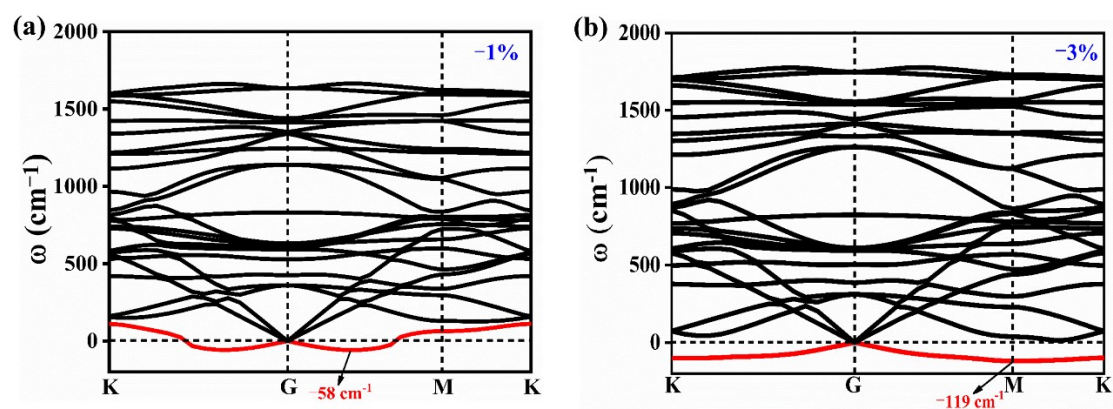


Fig. S2 Phonon spectra of C_6BN monolayer under different compressive strains: (a) -1%, (b) -3%.

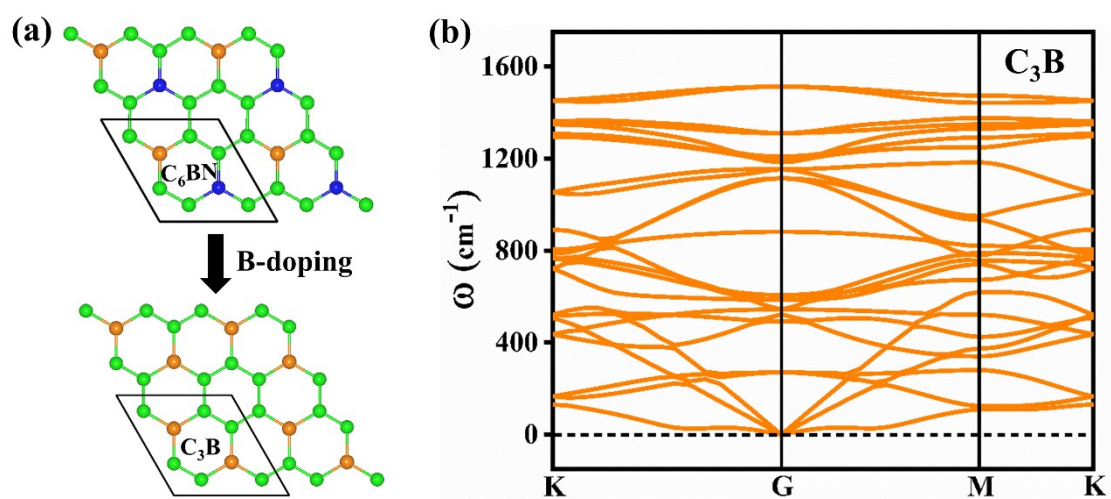


Fig. S3 (a) Optimized structures of C_6BN and C_3B monolayers. The rhombus shows the unit cell. (b) Phonon spectrum of C_3B monolayer.