

Fig S1 (color online) Models for the g-C₃N₄(001)/BiVO₄(010) nanocomposite before geometry optimization (a1, b1, c1) and after geometry optimization (a2, b2, c2). The black, blue, green, red, and purple spheres represent C, N, V, O, and Bi atoms, respectively.

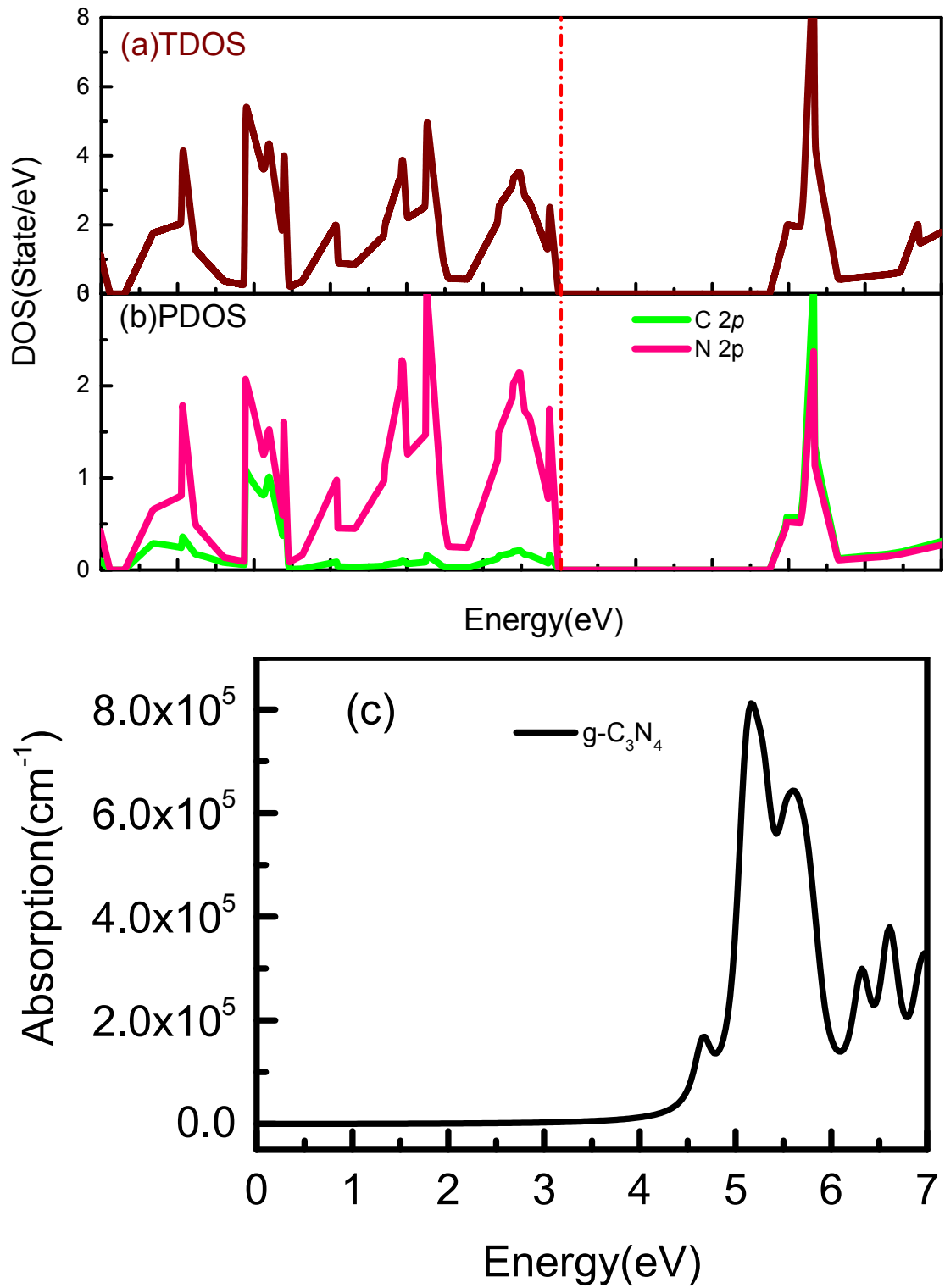


Fig. S2 The TDOS (a), PDOS (b), and absorption coefficients of g-C₃N₄, from HSE06 hybrid exchange functional calculations. The Fermi level is indicated by the short dash dot line.