Boron and Nitrogen Doping Induced Half-Metallicity in Zigzag Tri-wing Graphene Nanoribbons

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Supporting Information

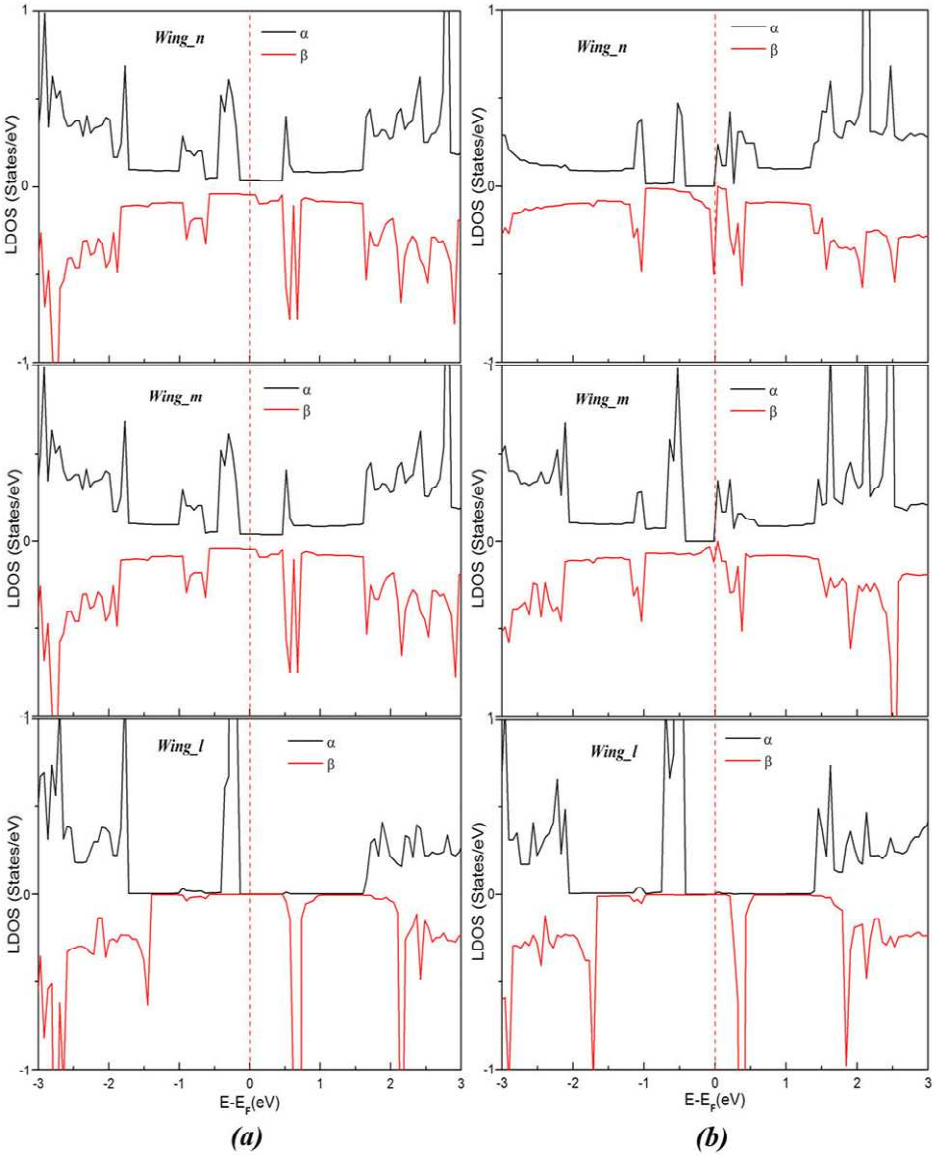

Figure S1. Local densities of state (LDOS) of each wing of undoped ZZ-TWG (***4***, ***4***, ***4***) (a) and BN doped ZZ-TWG (***4-2***, ***4***, ***4***) (b). The label α and β represent spin up and spin down channels respectively.

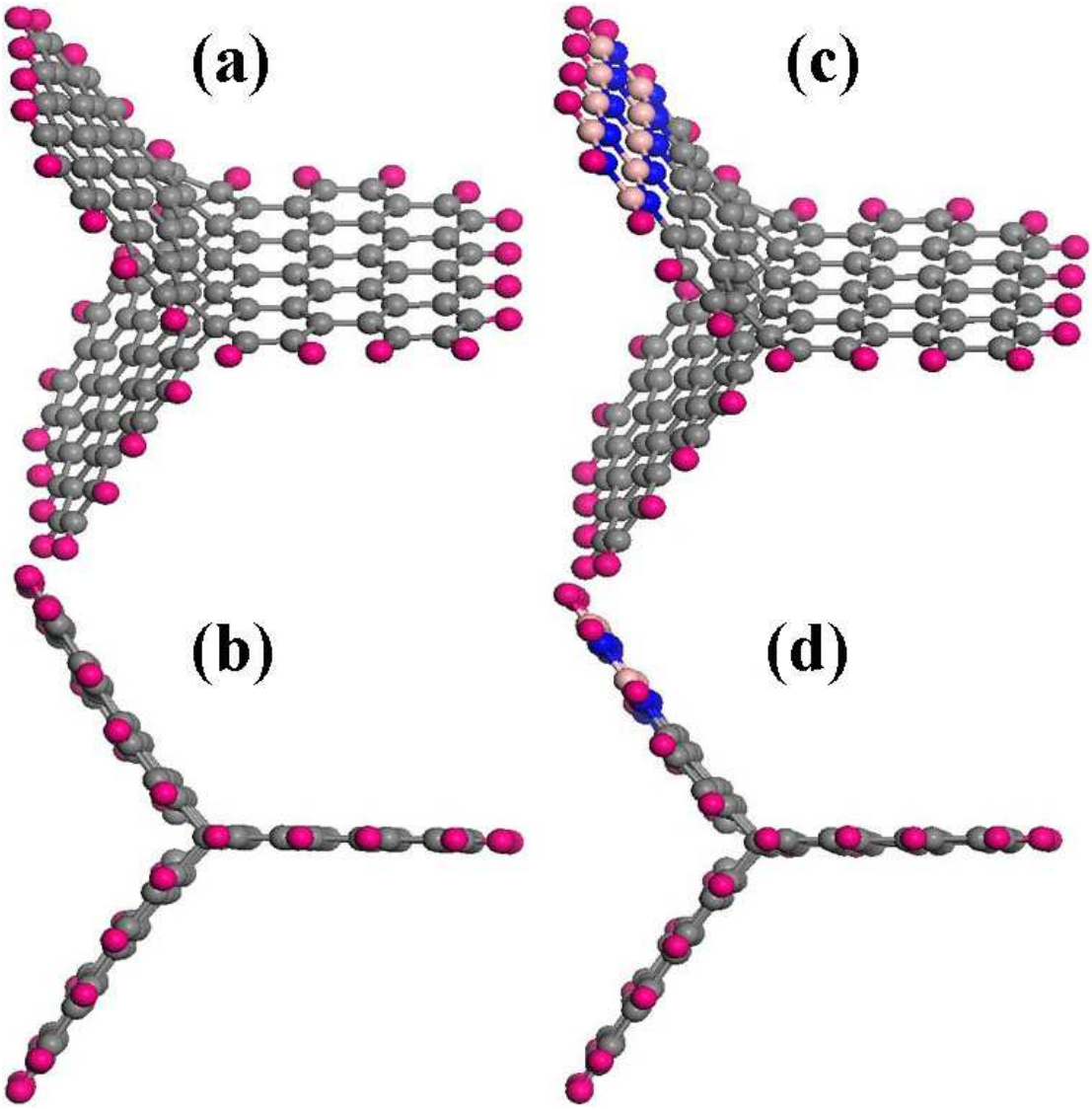

Figure S2. Optimized structures of undoped ZZ-TWG (***4***, ***4***, ***4***) (a) and (b); BN doped ZZ-TWG (***4-2***, ***4***, ***4***) (c) and (d) with finite length.