Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics.

Electric field modulation of electronic properties in type-II phosphorene/PbI_2 van der Waals heterojunction

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Supporting information:

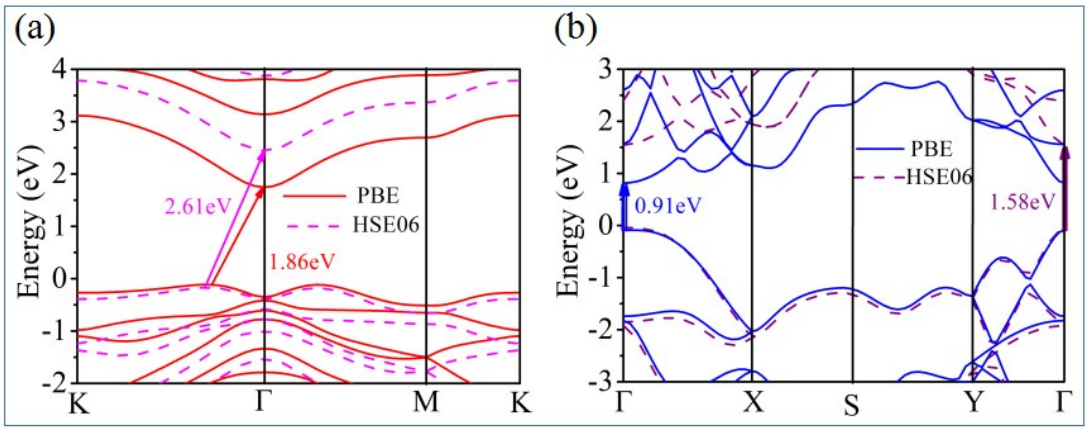

Fig. S1 The band structures of PbI_2 (a) and phosphorene (b) monolayer. The solid and dash line are the band structure calculated by the PBE and HSE06.

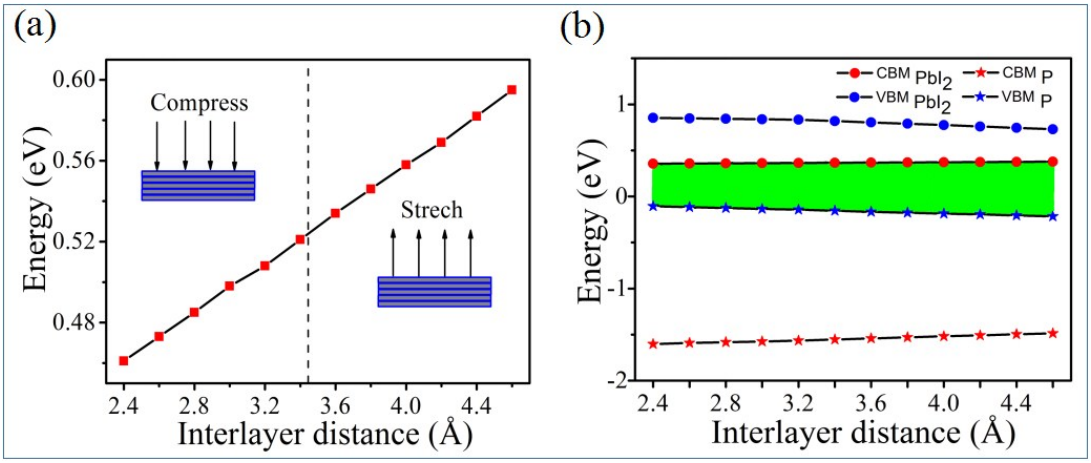

Fig. S2 Variation of band gap (a) and band edge (b) of the P/PbI_2 vdW heterojunction under different interlayer distance.