

Electronic Supplementary Information for Enantiomorphous Kagome Bands in a Two-dimensional Covalent Organic Framework with Non-trivial Magnetic and Topological Properties

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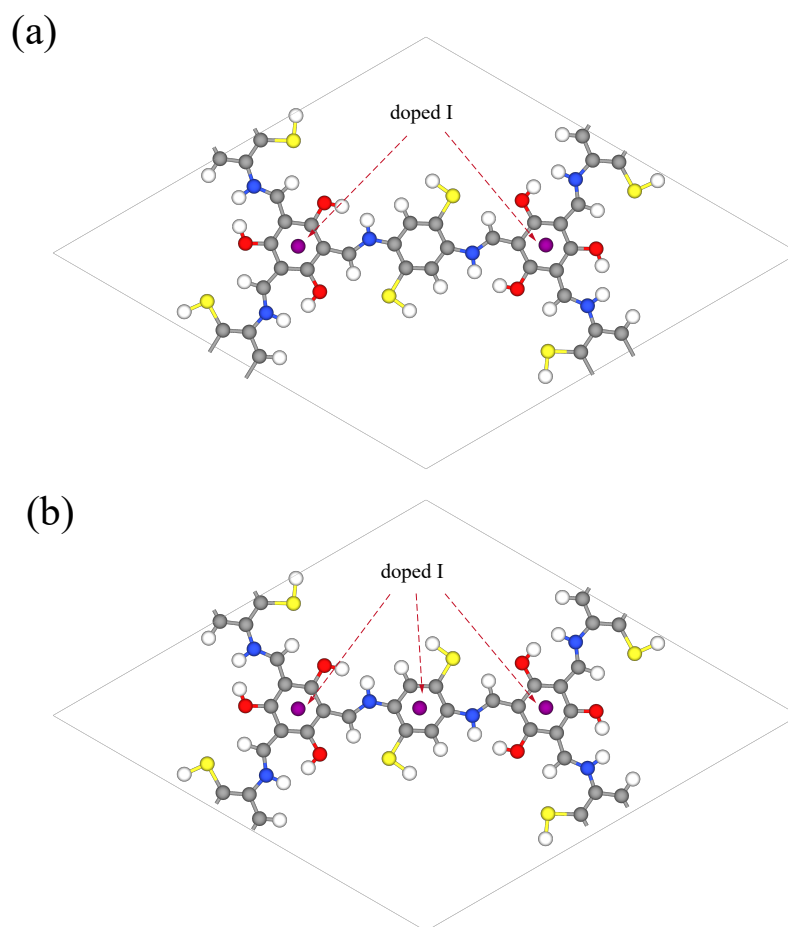


Fig. S1. The lattice configuration of COF-SH which is doped with (a) 2 iodine atoms and (b) 3 iodine atoms per unit cell. The doping position hollowing(H) over the benzene group that is the same as the 1 iodine atom doped case.

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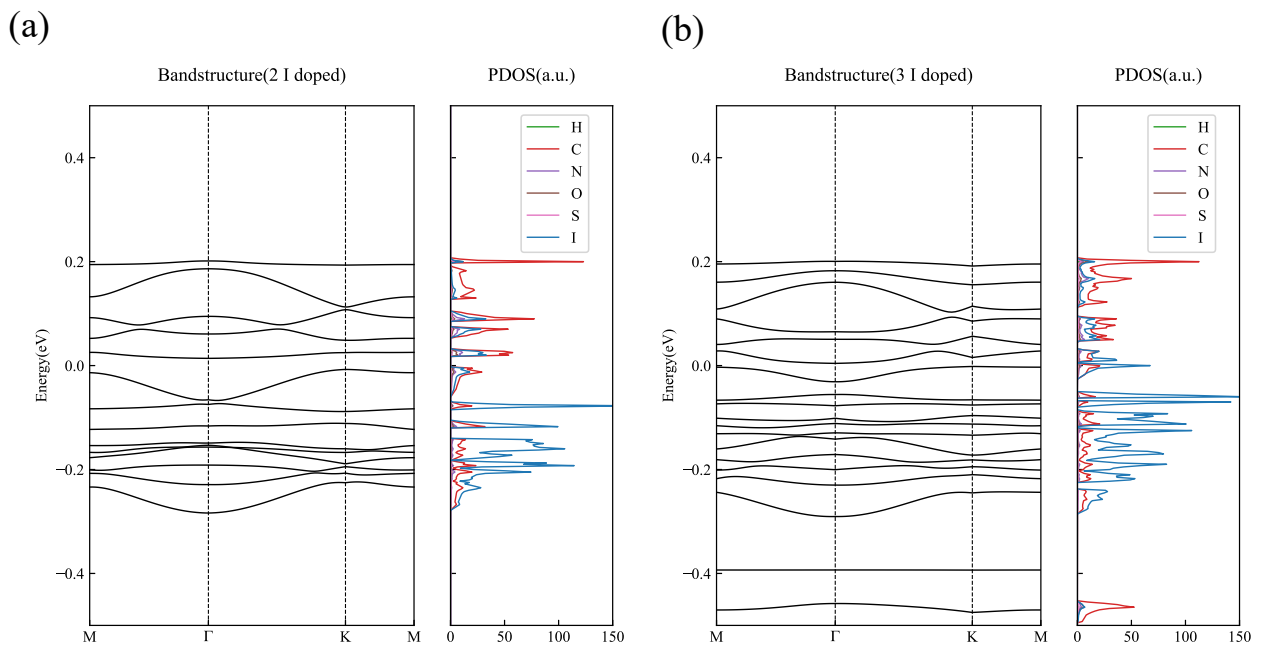


Fig. S2. (a) Band structure and PDOS of two iodine atoms doped. (b) Band structure and PDOS of three iodine atoms doped. All the figures are calculated with SOC, and the other DFT parameters are the same as the 1 iodine atom doped case. The doping position is shown in Fig.S1.