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

Supporting Online Material

Anomalous high adsorption energy of H_2O on Fluorinated Graphenes: A First Principle Study

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Supporting Figures

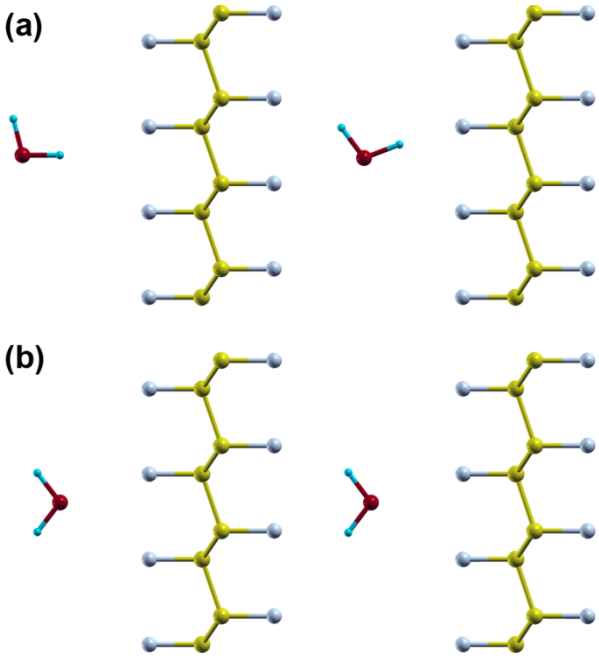

Fig. S1. The initial setups (left) and corresponding final configurations (right) of a H_2O molecule on CF: (a) No. 1, (b) No. 3.

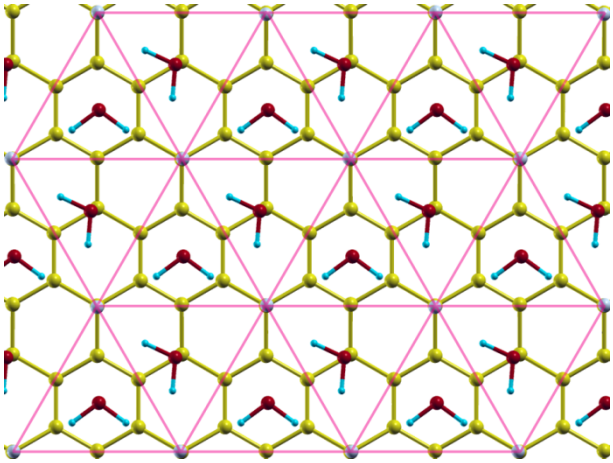

Fig. S2. The energetically favored positions of water molecules on C_4F substrate. Each H_2O molecule is positioned in the center of triangle, which is formed by three nearby F atoms.