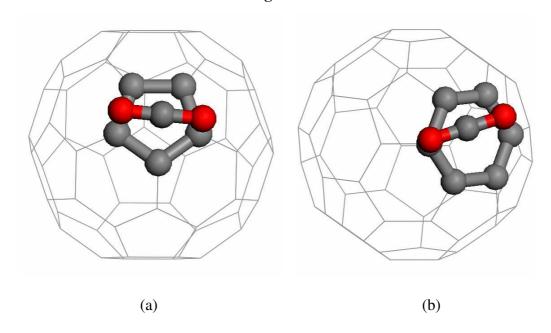
Supporting Information

Figure S1. Optimized structures for the CO₂ molecules adsorbed on the (a) hexagon, (b) pentagon, and (c) bond sites in pristine C₆₀.

Figure S2. Optimized structures for a single Ca atom adsorbed on pristine C_{60} on (a) pentagon, (b) hexagon sites in pristine C_{60} . (c) The projected density of states of Ca atom in Ca-doped C_{60} complex. The bond distances are in angstroms.

Figure S1



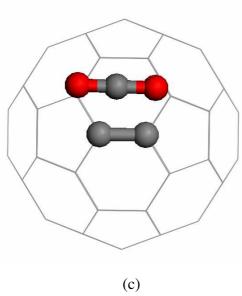


Figure S2

