

Supplementary Materials.

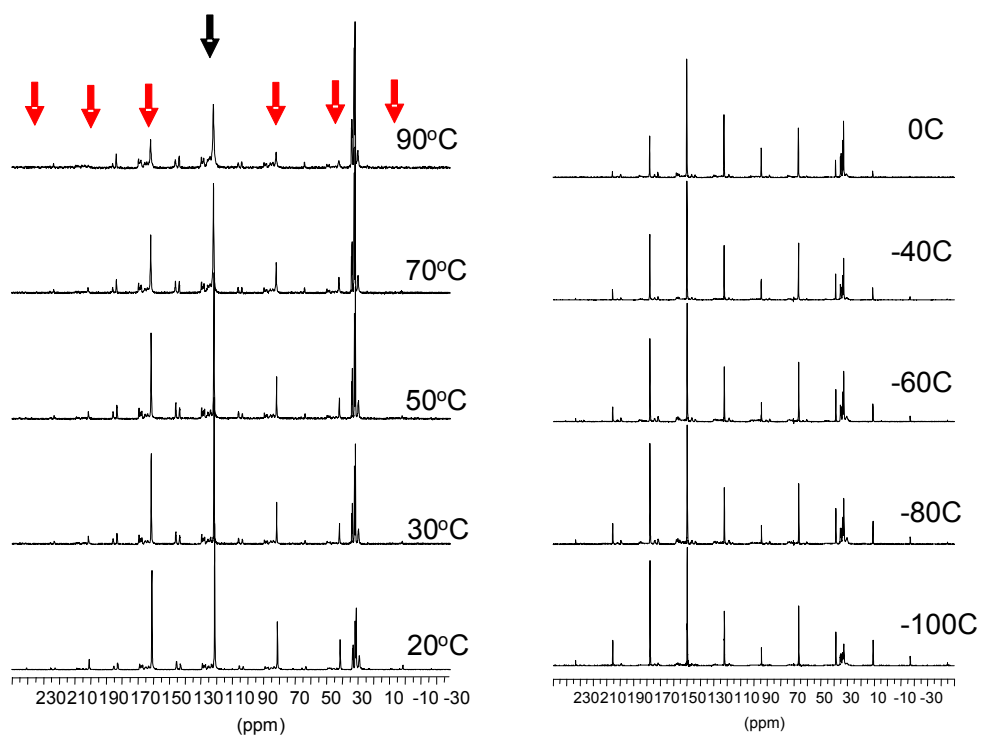


Fig. S1. Variable temperature ^{13}C CP MAS spectra of a low occupancy CO_2 -tBC sample with the CO_2 /tBC ratio of 0.82. Black arrow indicates the isotropic signal of CO_2 and the red arrows are for the spinning sidebands.

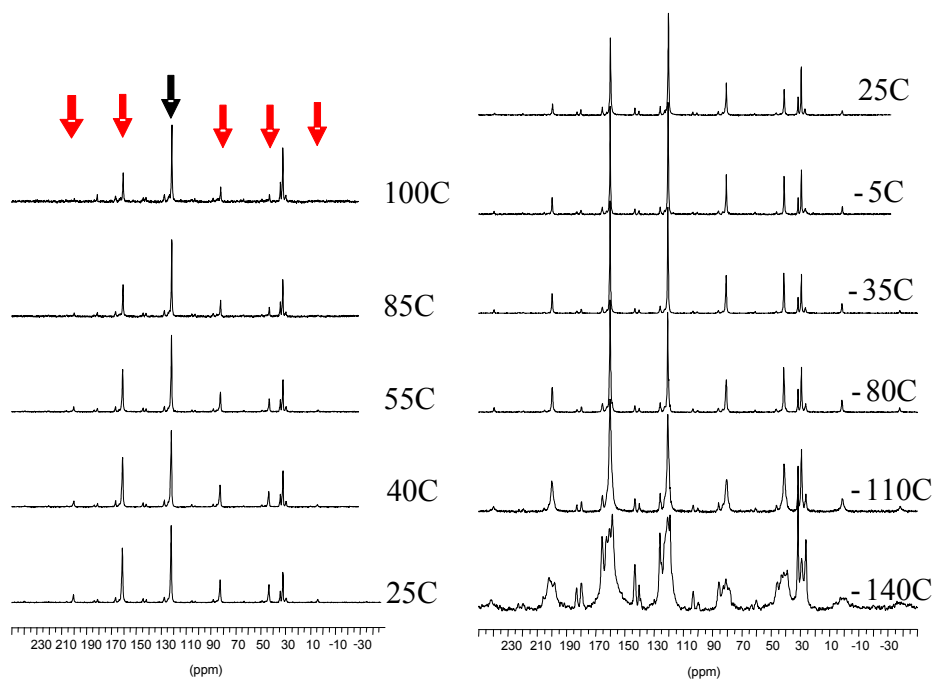


Fig. S2. Variable temperature ^{13}C CP MAS spectra of a high occupancy CO_2 -tBC sample with the CO_2/tBC ratio of 1.8. Black arrow indicates the isotropic signal of CO_2 and the red arrows are for the spinning sidebands.

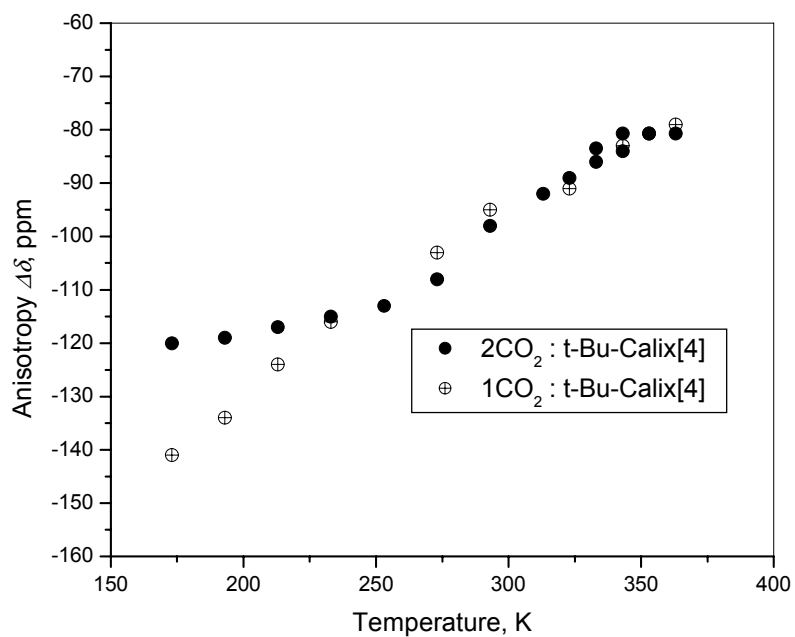


Fig. S3. Variation of the ^{13}C chemical shift anisotropy with the temperature for CO_2 in a low occupancy CO_2 -tBC sample with the CO_2 /tBC ratio of 0.82 (open circles with a cross) and a high occupancy sample with the CO_2 /tBC ratio of 1.8 (solid circles). All the anisotropy values were obtained from the spinning sidebands analysis.