

Supporting Information

Evidence of thermal closing of atomic-vacancy holes in single-wall carbon nanohorns

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Figure S1. N₂ adsorption isotherms at 77 K for pristine SWNHs and oxNHs before (a) and after (b) HT at 1200°C in Ar.

N₂ adsorption isotherm measurements

N₂ adsorption isotherms for pristine SWNHs and hole-opened SWNHs (oxNHs) before and after the heat treatment (HT) at 1200°C in Ar flow were volumetrically measured at 77K using a commercial apparatus (ASAP2000, Micrometrics). The samples were vacuumed at 160°C for 1 day prior to the adsorption measurements.

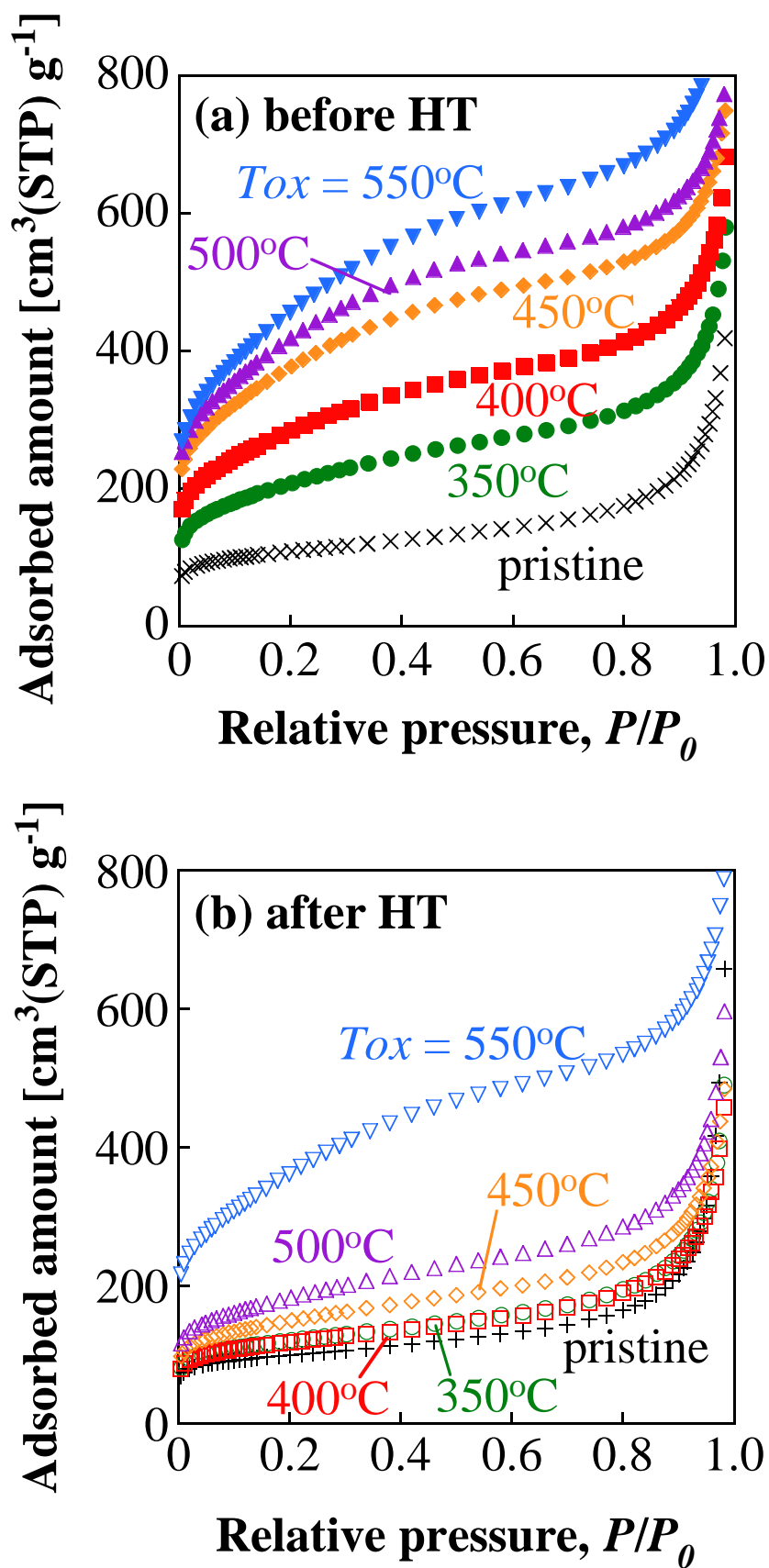


Figure S1. N_2 adsorption isotherms at 77 K for pristine SWNHs and oxNHs before (a) and after (b) HT at 1200°C in Ar.