Electronic Supplementary Information

Low temperature dehydrogenation properties of ammonia borane within carbon nanotube arrays: A synergistic effect of nanoconfinement and alane

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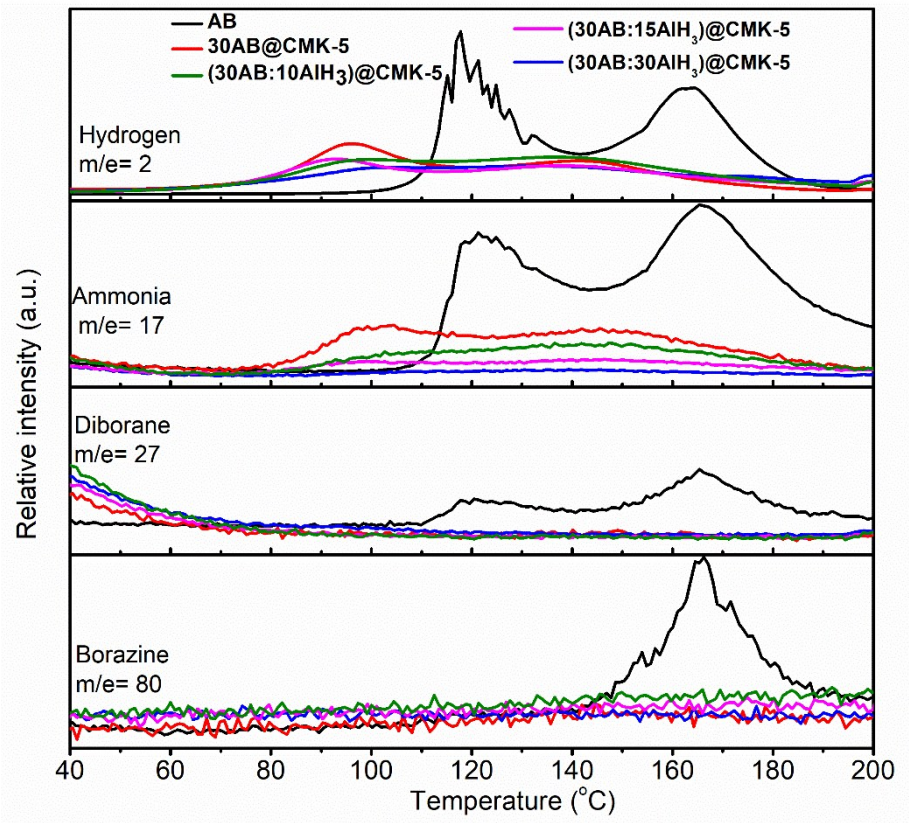

Figure S1. MS patterns of (30AB:xAlH$_3$)@CMK-5 (x = 10, 15, 30).

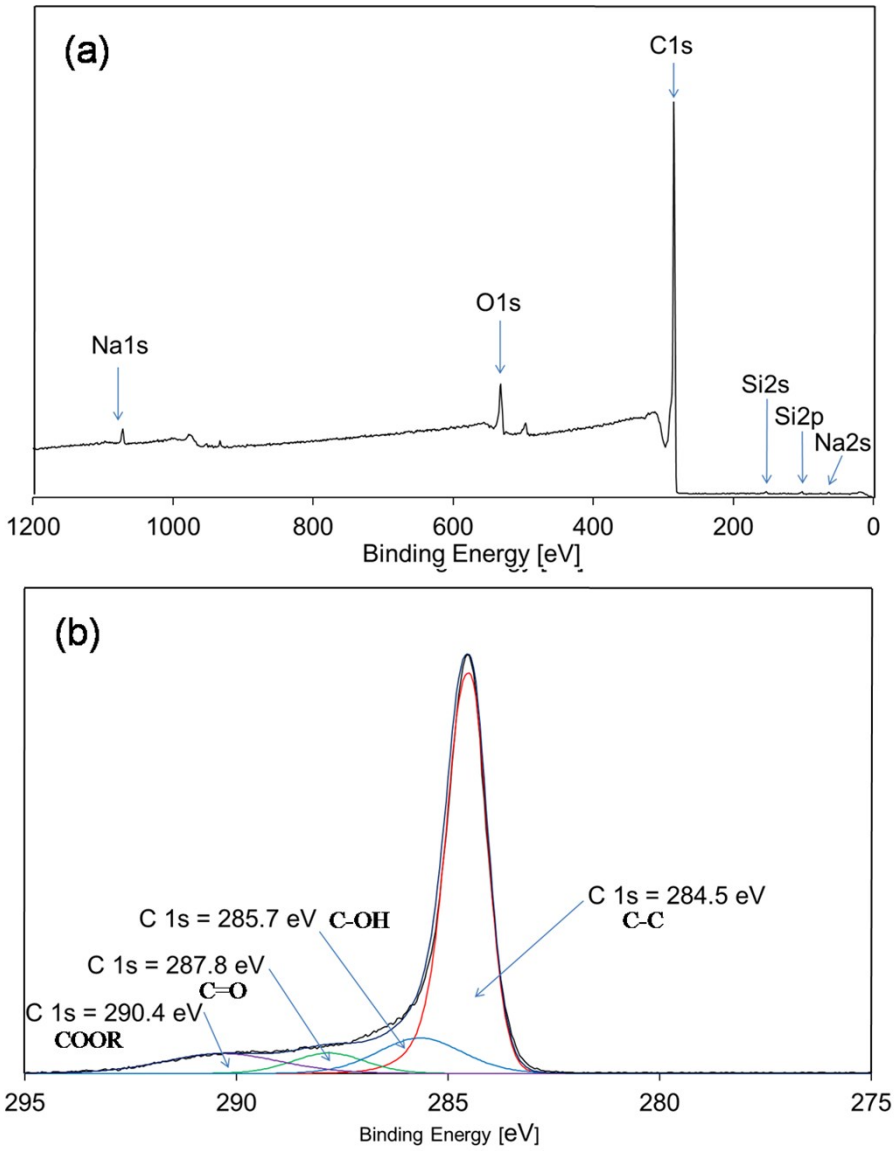

Figure S2.(a) XPS and (b) C1s XPS spectra for CMK-5.

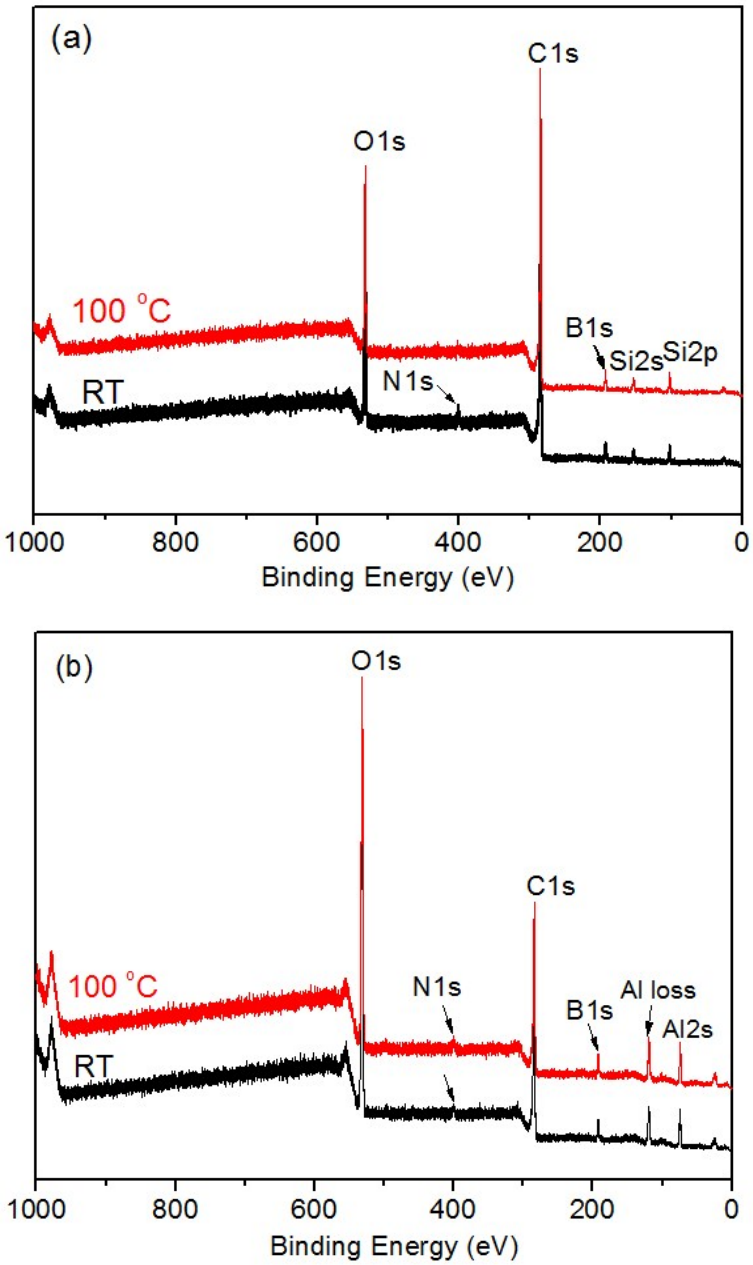

Figure S3. XPS spectra of (a) 30AB@CMK-5 and (b) (30AB:30AlH_3)@CMK-5 at different temperatures.

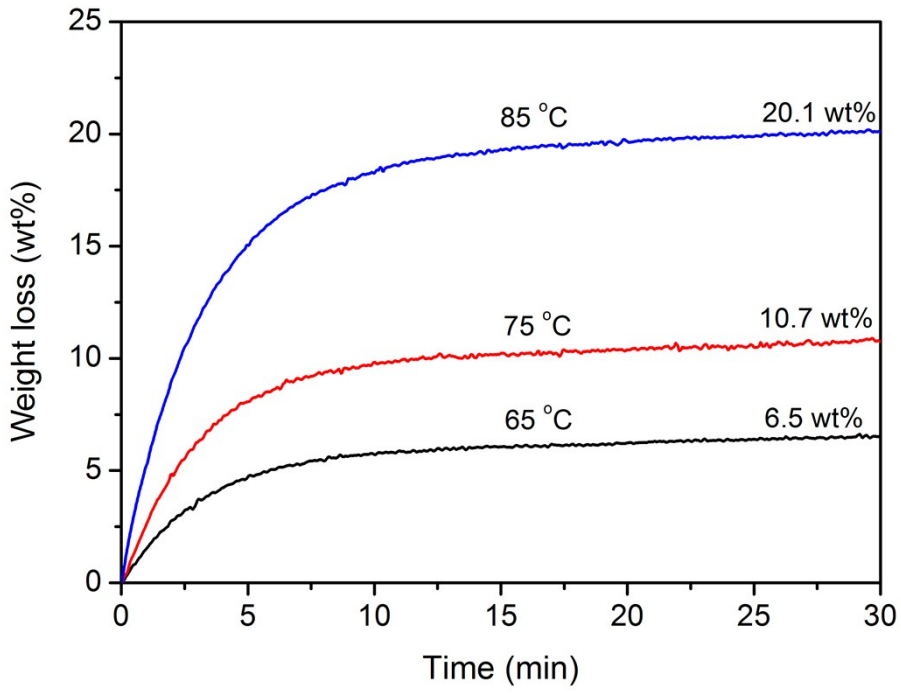

Figure S4. Isothermal dehydrogenation of 30AB@CMK-5 at different temperatures.

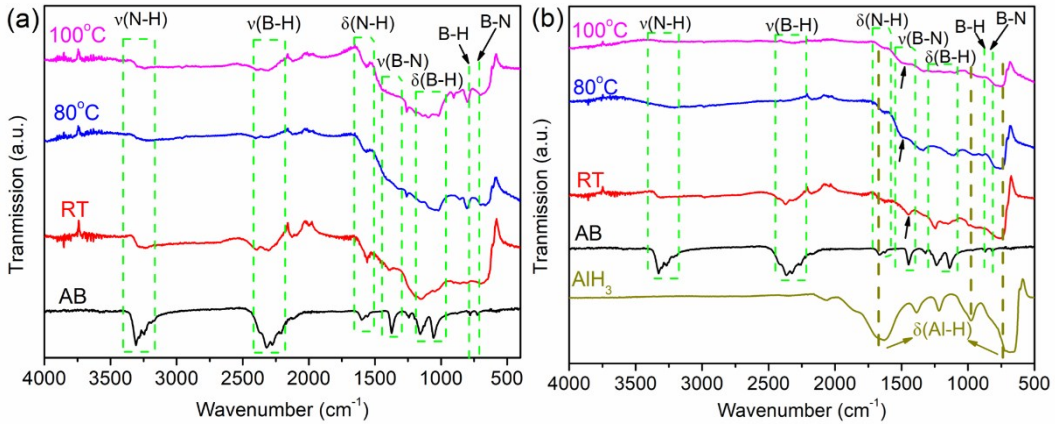

Figure S5. FT-IR patterns of (a) 30AB@CMK-5 and (b) (30AB:30AlH_3)@CMK-5 after the release of hydrogen at different temperatures.