

Supporting Information

Enhanced Ammonia Capture for Adsorption Heat Pumps Using a Salt-Embedded COF Aerogel Composite

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1. NH_3 adsorption pressure (bar) and corresponding sample and gas temperature ($^{\circ}\text{C}$) profiles over time

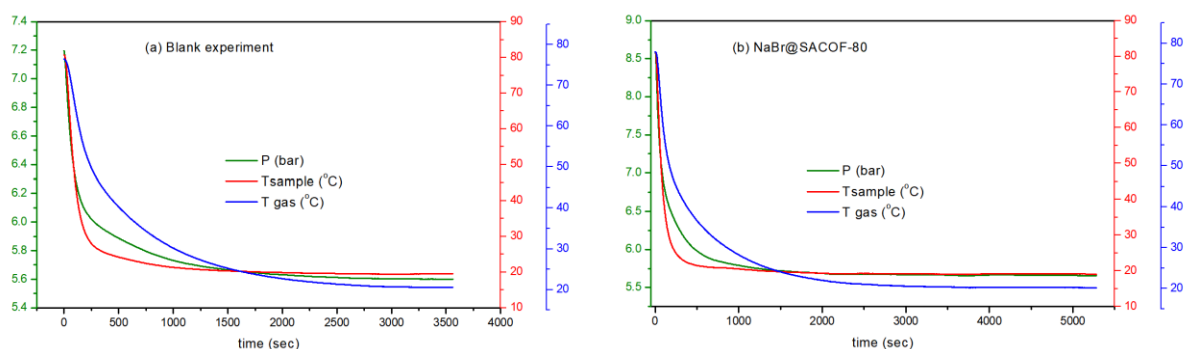


Figure S1. NH_3 adsorption pressure (bar) and corresponding sample and gas temperature ($^{\circ}\text{C}$) profiles over time for (a) blank experiment, and (b) NaBr@SACOF-80.

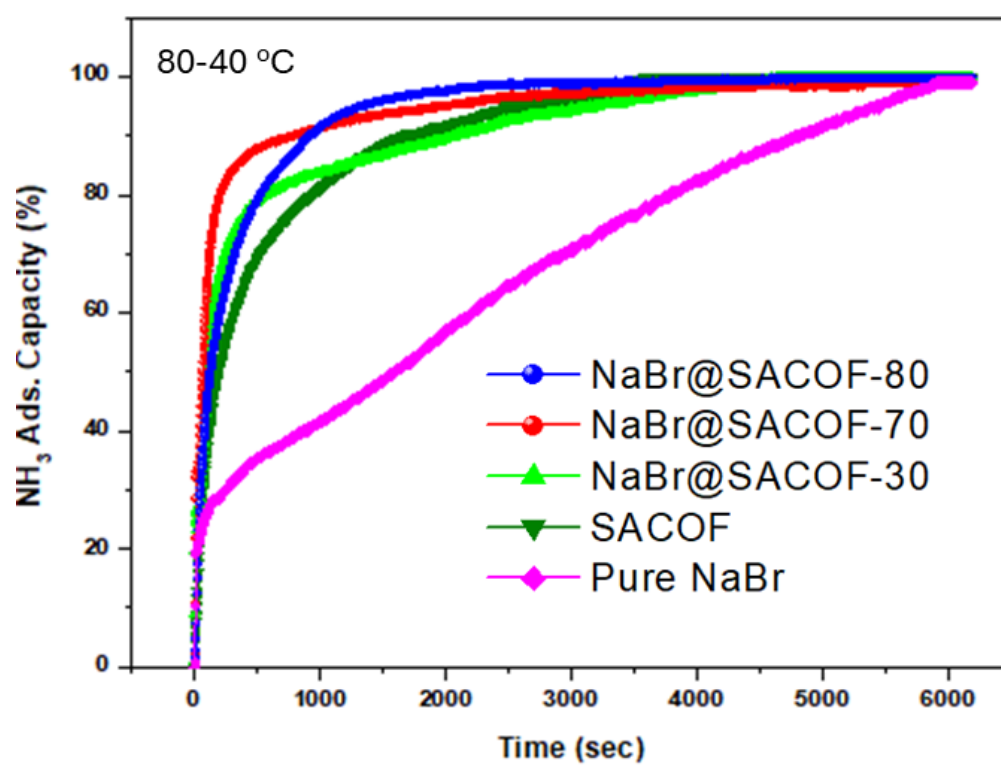


Figure S2. Amount of adsorbed NH₃ (%) of NaBr@SACOF composites, SACOF, and pure NaBr between the temperature range of 80 °C to 40 °C.

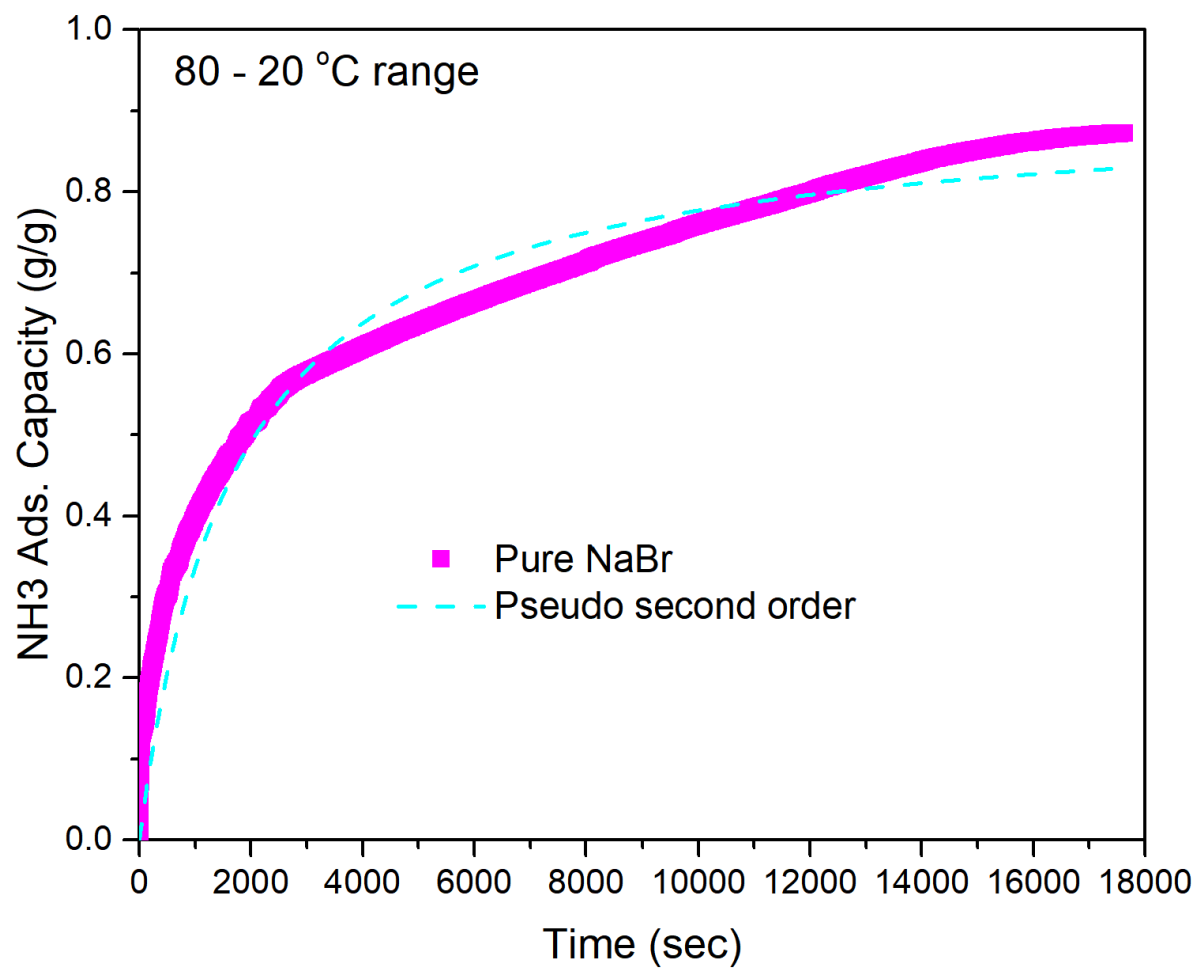


Figure S3. Time profile for pure NaBr and the fitted non-linear kinetic model between the temperature range of 80 °C to 20 °C. (N.B: better fitted model only shown here).