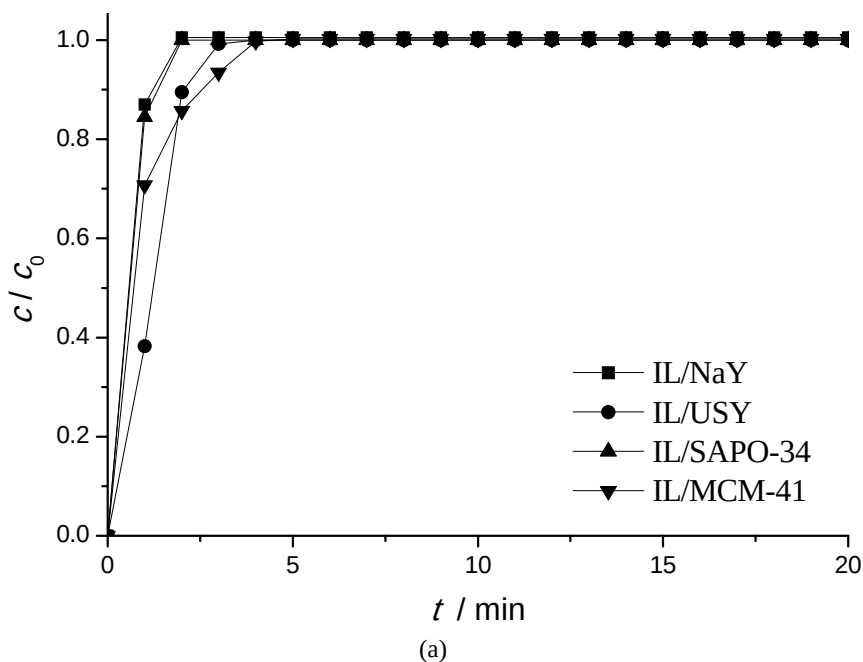


SUPPLEMENTARY MATERIAL TO
**Molecular sieve-supported ionic liquids as efficient adsorbents
for CO₂ capture**

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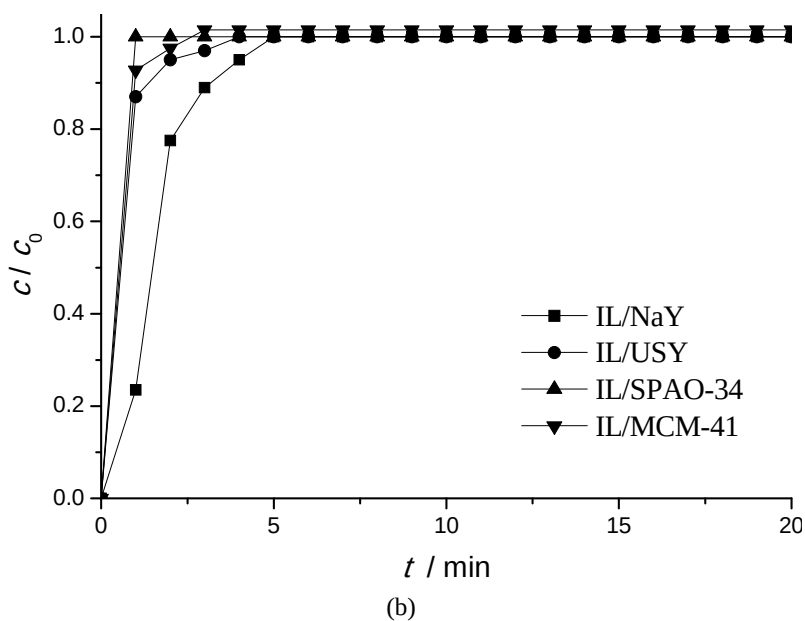


Fig. S-1. CO₂ absorption behaviors of supported ionic liquids: a) [OHe-mim][BF₄] and b) [HOEAm], ionic liquid loading: 20 %, *T*: 20 °C; *c*₀: initial concentration of CO₂ before the adsorbent (mol/mol) and *c*: the concentration of CO₂ after the adsorbent (mol/mol).)

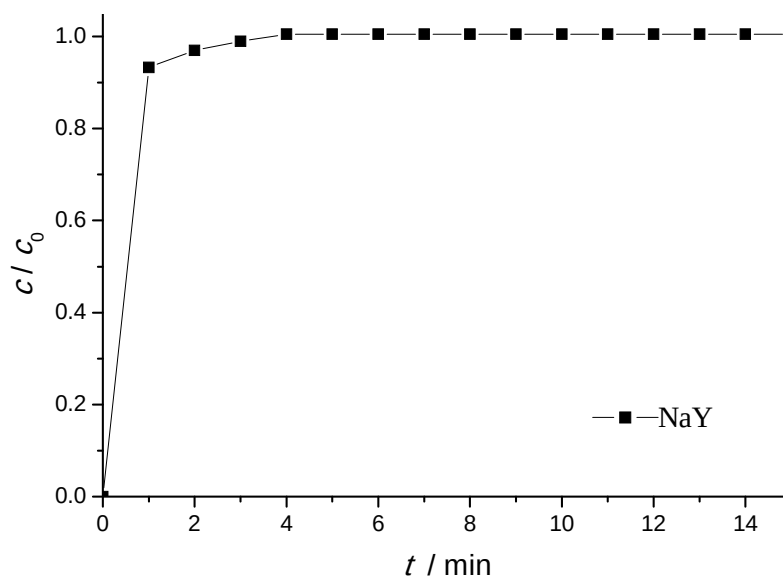


Fig. S-2. CO₂ absorption behavior of NaY.

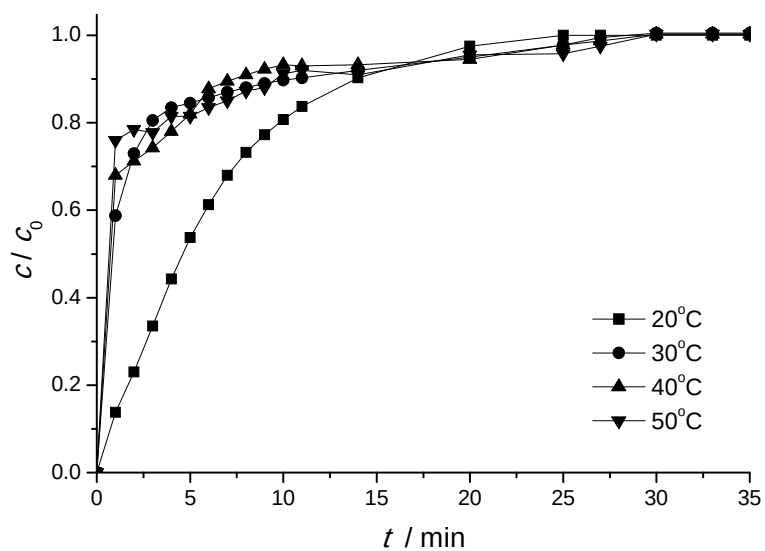


Fig. S-3. Effect of temperature on CO₂ adsorption by [NH₃e-mim][BF₄]/NaY.

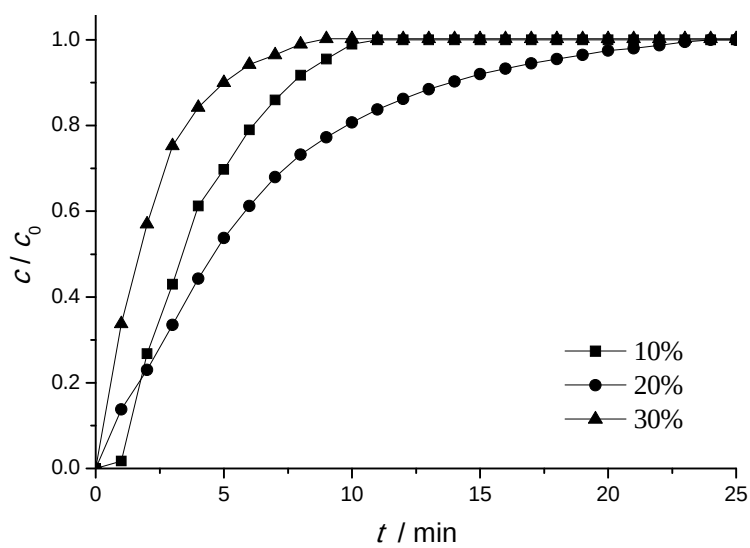


Fig. S-4. Effect of the ILs loading on CO₂ adsorption by [NH₃e-mim][BF₄]/NaY.