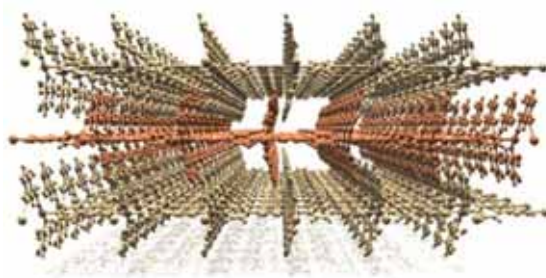


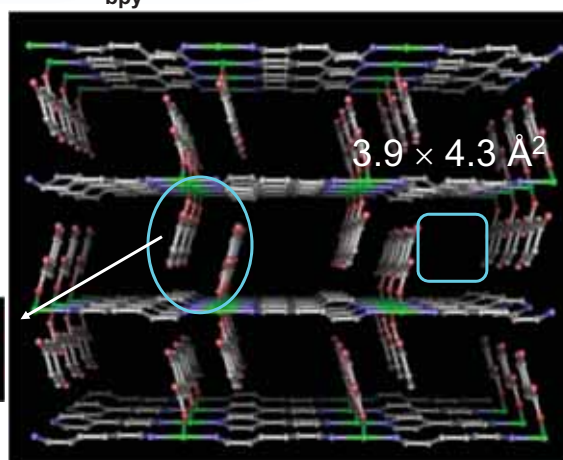
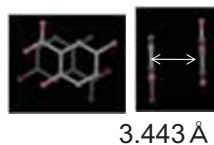
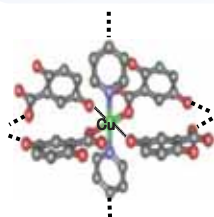
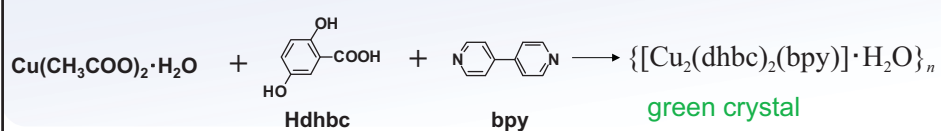
Coordination Polymer with Interdigitated Structure (CID)

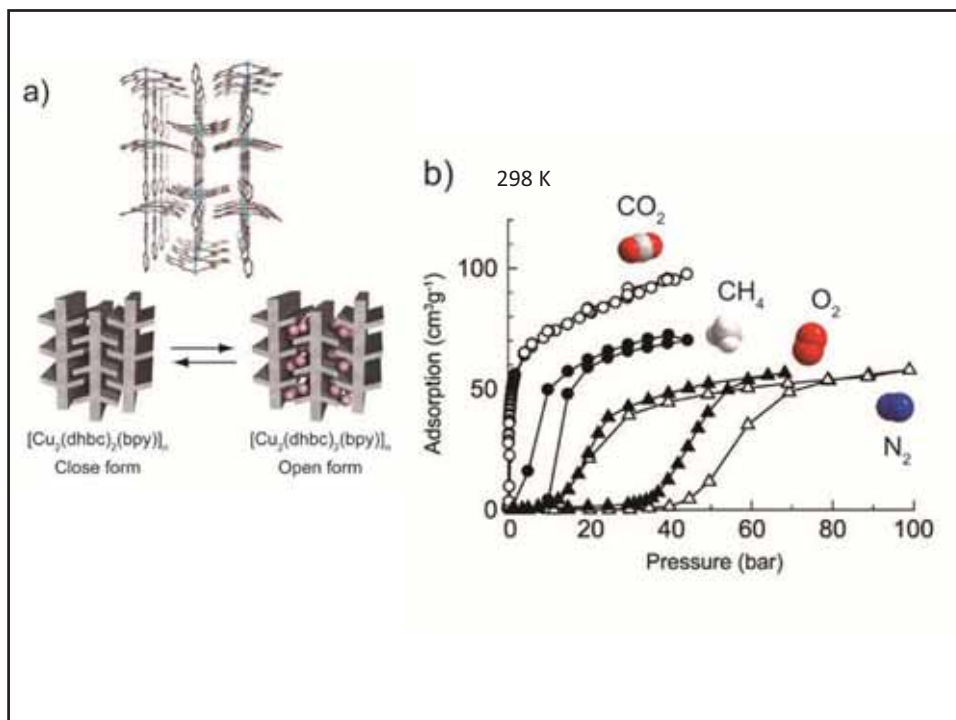


interdigitation

Angew. Chem. Int. Ed. 2003, 42, 428.

Structure of $[\text{Cu}_2(\text{dhbc})_2\text{bpy}]_n$





分離はきわめて重要な技術
—これを支えるにはまず材料

混合ガス

ガス A

ガス B

深冷分離

separation principle
boiling point
Gas purity(O_2)

99%

圧カスイング(PSA)

selective adsorption

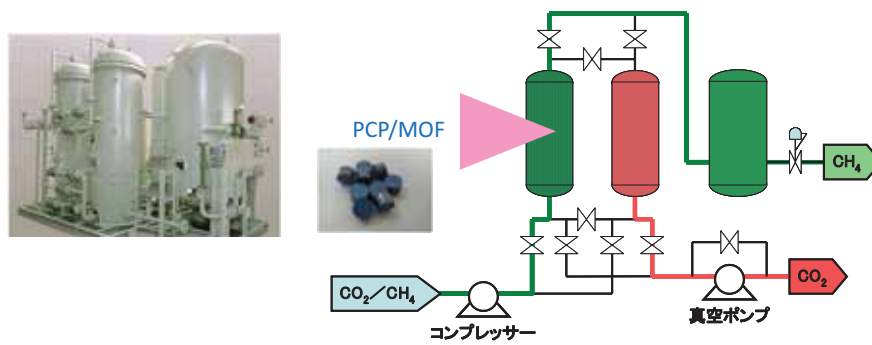
90~95%

分離膜

membrane penetration

20~40%

PSA (pressure swing adsorption) process



Operating pressure : 0.4 MPa ~ 0.7 MPa

CO₂ separation for biogas; CO₂/CH₄

