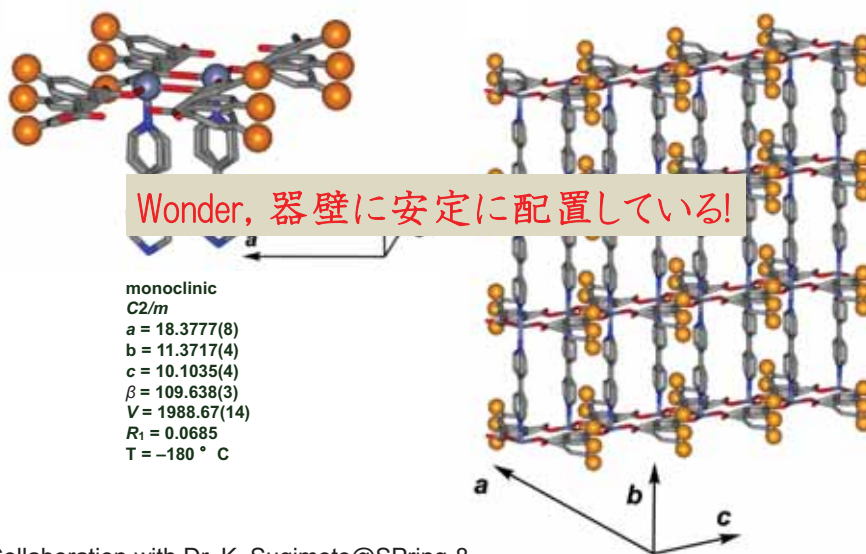
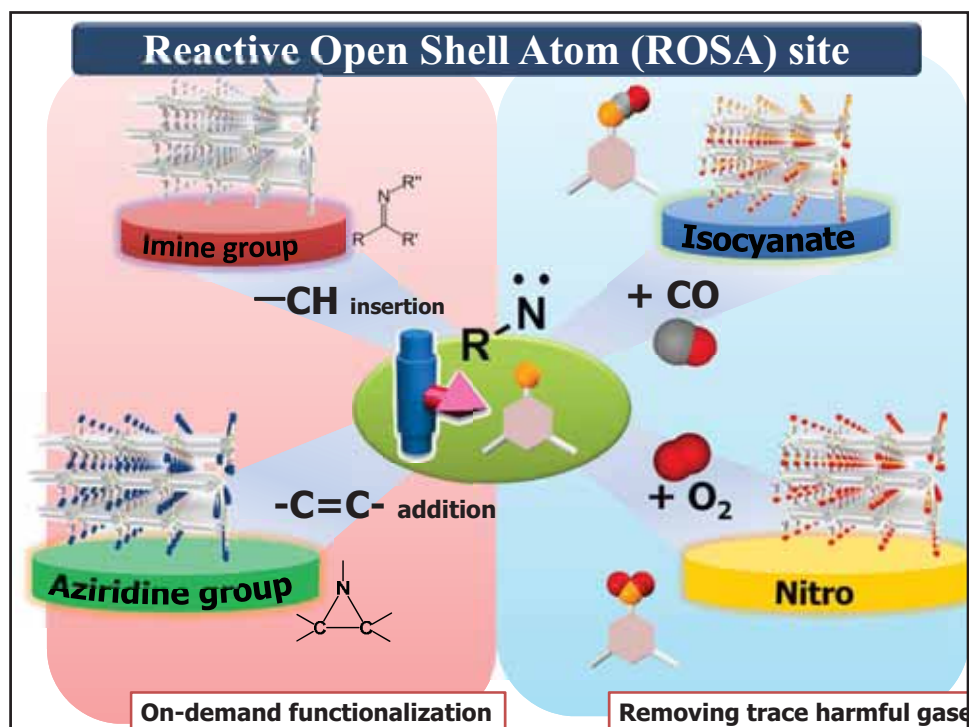


光により生成したTriplet Nitrene

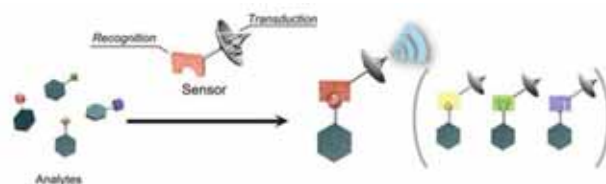


Collaboration with Dr. K. Sugimoto@SPring-8

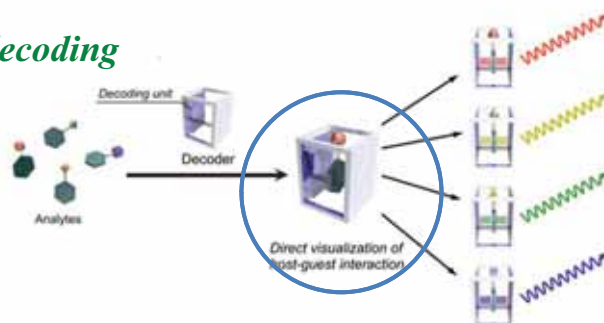


Molecular decoding

Conventional molecular sensing



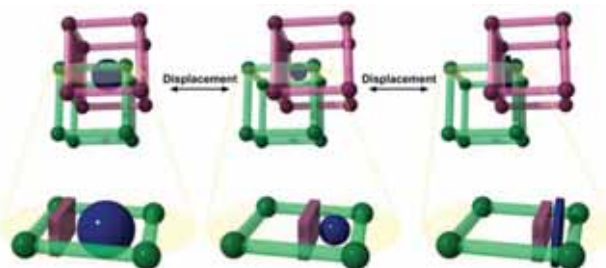
Molecular decoding



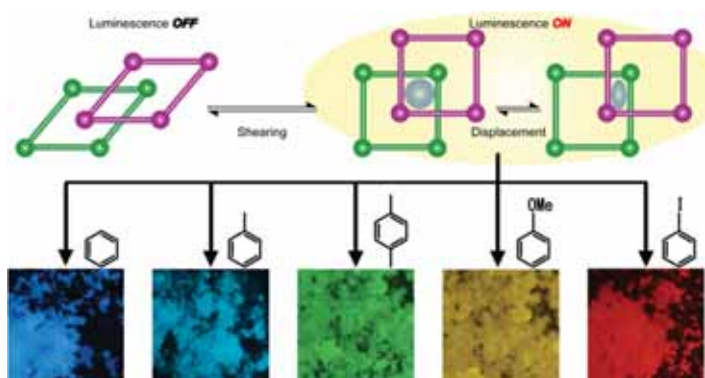
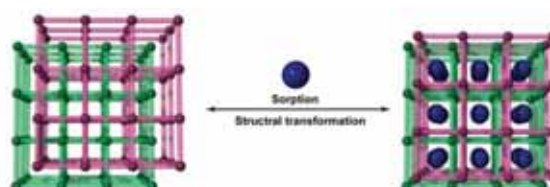
Nature Commun. **2011**, 2, 168.

Entangled frameworks

Framework displacement

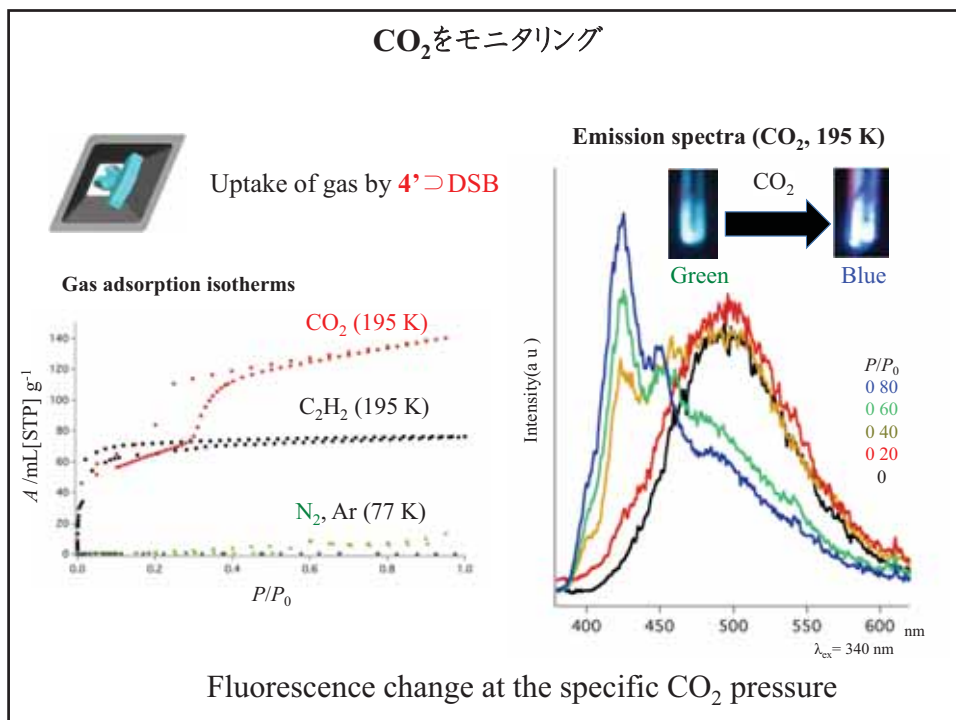
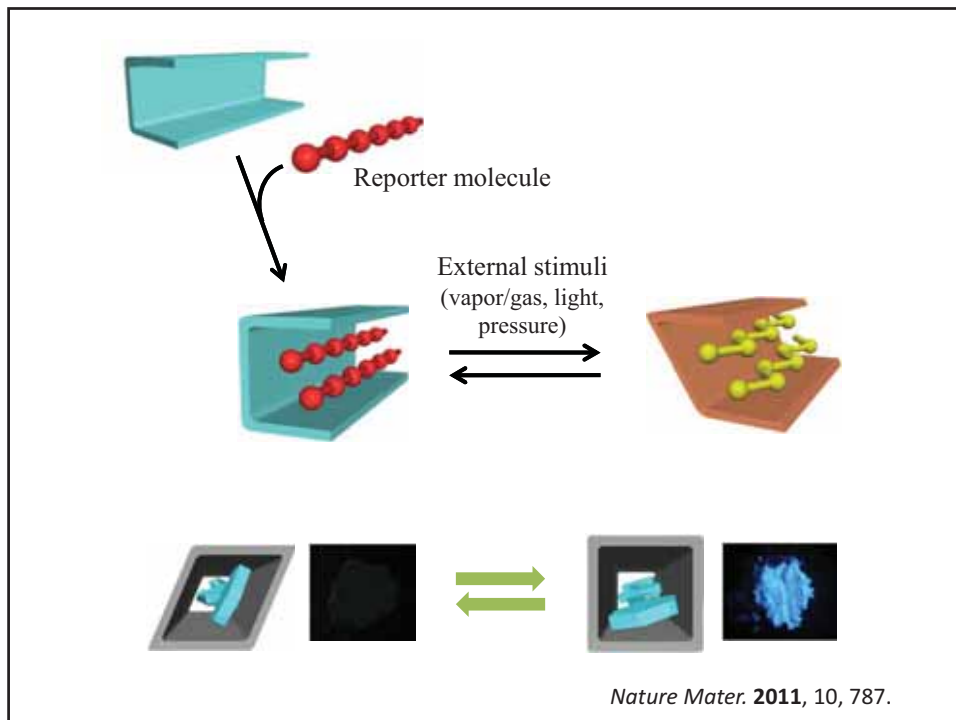


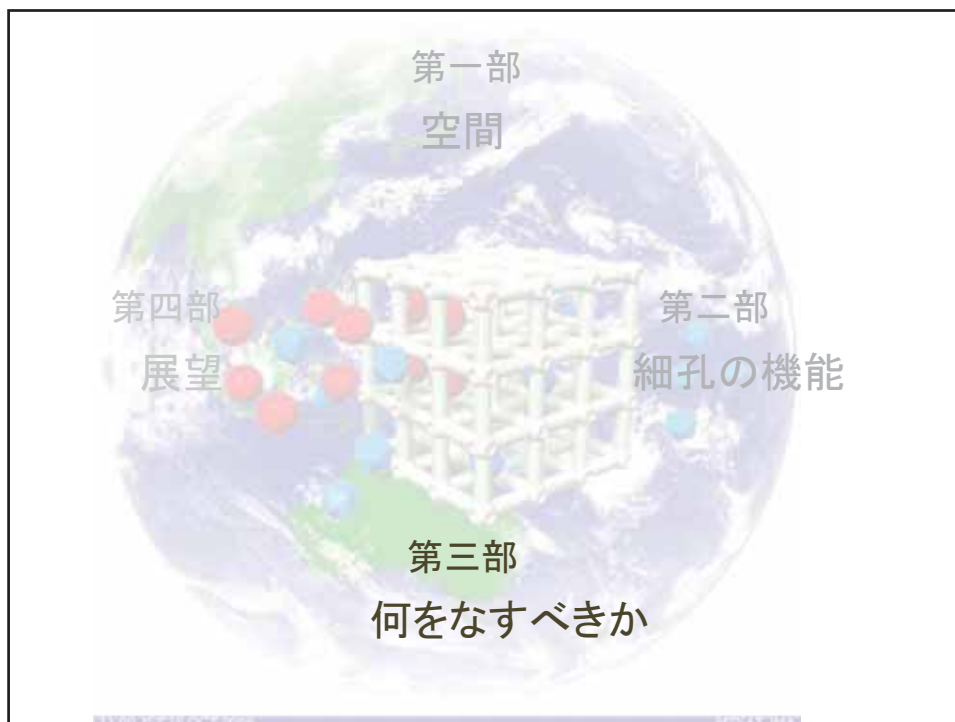
Cooperative response



Single framework for multiple analytes
Single excitation for all analytes: 370 nm

Application for portable solid-state sensors!!





空間の化学はどのような
サイエンス・テクノロジーを産むのか？

特別の資源を原料とせず、身の回りに
多数存在するものを活用する科学・技術