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### 學歷

博士 國立清華大學 化學工程系  
碩士 東海大學 化學系  
學士 東海大學 化學系

### 經歷

國家同步輻射研究中心  
博士後研究學者

### 聯絡方式

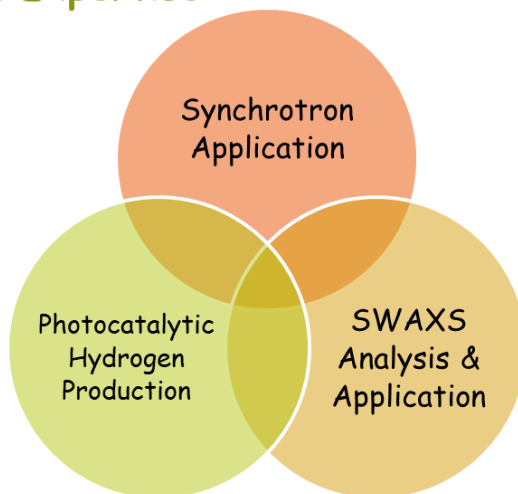
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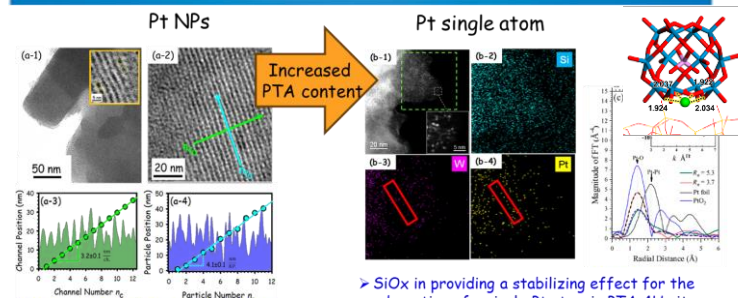
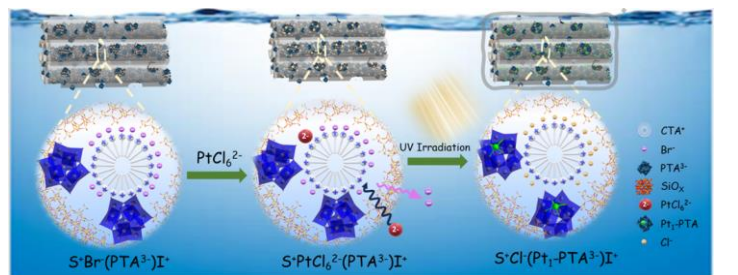


### Research Expertise

- Small/Wide Angle X-ray Scattering (小/寬角度X光散射)
- Mesopore material (中孔洞材料)
- Photocatalytic Hydrogen Production (光催化產氫)
- Application of Synchrotron Radiation (同步輻射應用)
- Material Structure Analysis (材料結構分析)



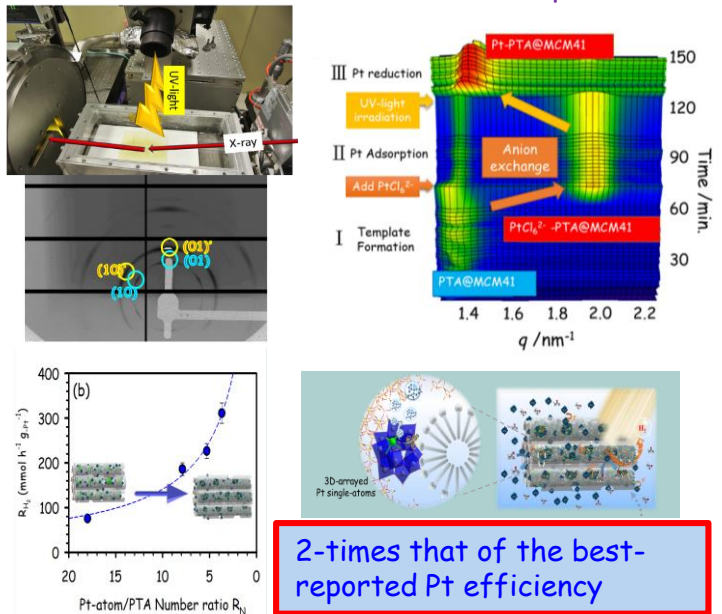
# Unlocking Hydrogen Power with Single-Atom Pt Catalysts



SiO<sub>2</sub> in providing a stabilizing effect for the adsorption of a single Pt atom in PTA-4H site

Pt NPs are densely and uniformly in channel

## In-situ GISAXS Measurement from Air-liquid Interface



## Application of SWAXS for Beetle Photonics : Schematic View of Chitin Structure

