

平成28年度 第3回 分子・物質合成ナノテクプラットフォームセミナー CRESTセミナー

分子・物質合成PFの *Shu-Sheng Liu* 氏によるセミナーを開催いたします。多数ご参加いただけますよう、ご案内いたします。

講演題目

Researches Closely Related to Fuel Cell

概要

From graduate study, my researches have closely connected with fuel cell, which is one of the hottest devices for future energy usage. In the past two decades, the researches on hydrogen storage became popular because of the development of fuel cell, especially PEFC. I will introduce my works on hydrogen storage materials, mainly metal hydrides. Solid oxide fuel cell (SOFC) is another kind of fuel cell with high efficiency and now in the stage of commercialization. The typical anode material is nickel-yttria stabilized zirconia (Ni-YSZ). However, there are still some very important open issues. For the conventional cells, there is no report on the real structures of interface and triple-phase boundary (TPB), which are related to the stability and reactivity of the cells. I will introduce the works on observation of interface and TPB. Other researches on SOFC will be introduced focusing on the microstructure.

講演者

九州大学 分子・物質合成プラットフォーム
Shu-Sheng Liu

【日時】 7月 8日(金) 14:30~15:10

【場所】 九州大学伊都キャンパス
ウエスト4号館 物質系5番講義室 (W4-315)

【主催】 ・九州大学 分子・物質合成プラットフォーム
・CREST(中嶋 直敏)

【参加費】 無料

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