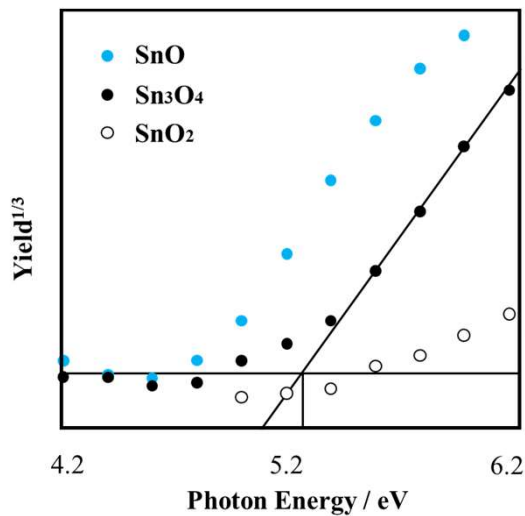


Visible-Light-Induced CO₂ Reduction by Mixed-Valence Tin Oxide



Valence band maximum (VBM) measurement by AC-2^[1].

【Ionization potential analysis of photocatalysts by AC series】

Prof. Miyauchi and co-workers from Tokyo Institute of Technology reported their study on Applied Energy Materials about a Tin Oxide photocatalyst material development^[1].

The CO₂ reduction reaction is dragging many attractions nowadays when many countries are claiming the carbon neutral strategy.

Prof. Miyauchi and co-workers succeeded in developing novel photocatalytic materials using tin oxide, which showed high performance. And comparing the valence band maximum (VBM) of the samples measured by AC-2, the relationship between the VBM and the catalysis performance could be clearly found.

Therefore, AC series can be your best partner and contribute to those advanced materials development.

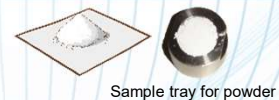
[1] Yang-Shin Liu, Akira Yamaguchi, Yue Yang, Hideki Abe, Shigenori Ueda, Toyokazu Tanabe, and Masahiro Miyauchi, ACS Applied Energy Materials

Photoemission Yield Spectroscopy in Air : PYSA

Model : AC-2S series



Features



- **No need for vacuum, can measure in air**
→ Various types of samples available without any pre-treatment.
- **Various optional functions**
→ Heat sample stage, high intensity light source and micro spot irradiation, various functions can be selected to meet your demands.

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