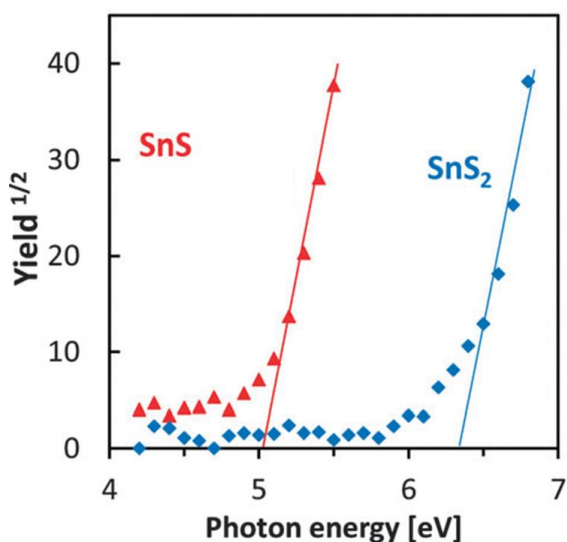


A metal sulfide photocatalyst for solar hydrogen production



Ionization potential measurement by AC-3^[1].

Ionization potential analysis of photocatalysts by AC-3

Prof. Miyauchi and co-workers from Tokyo Institute of Technology reported their study on Chemical Communications about a metal sulfide photocatalyst material development^[1].

Producing hydrogen through photocatalysis method is very essential for our future energy. They succeeded in developing a new catalyst using ubiquitous elements as SnS, which shows a high performance and low cost. And comparing the ionization potential of the samples measured by AC-3, the relationship between the ionization potential and the catalysis performance could be clearly found.

Therefore, AC-3 can be your best partner and contribute to those advanced materials development.

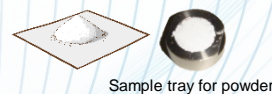
^[1] Y. Shiga, N. Umezawa, N. Srinivasan, S. Koyasu, E. Sakai and M. Miyauchi, Chem. Commun., 2016, 52, 7470--7473

Photoemission Yield Spectroscopy in Air : PYSA

Model : AC-3



Features



- **No need for vacuum, can measure in air**
→ Various types of samples available without any pre-treatment.
- **Further range for more applications**
→ Measure ranges from 4.0 to 7.0 eV, capable for more materials.

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