



[Session A] Photocatalysis and Solar Cell 6

| | |
|----------------------|---|
| Date / Time | November 2, 2021 / 13:30-15:30 |
| Session Code | TuA2-01 |
| Session Chair | Prof. Hyoungil Kim (Yonsei University, Korea) |

TuA2-01-1 **Keynote Talk**

[Live] 13:30-14:00

New Achievements of Photocatalytic CO₂ Reduction

Osamu Ishitani

*Tokyo Institute of Technology, Japan*TuA2-01-2 **Invited Talk**

[Live] 14:00-14:20

Generation of Green Hydrogen via Electrolysis of Biomass

Hong Li

*Nanyang Technological University, Singapore*TuA2-01-3 **Invited Talk**

[Pre-recorded] 14:20-14:40

Visible-Light Water Splitting and CO₂ Fixation using Metal Complex/Semiconductor Hybrid Materials

Kazuhiko Maeda

*Tokyo Institute of Technology, Japan*TuA2-01-4 **Invited Talk**

[Pre-recorded] 14:40-15:00

Solar Powered Chemistry: Highly Stable and Selective Gas-Phase Photocatalytic CO₂ Reduction

SU-IL IN

*DGIST, Korea*TuA2-01-5 **Oral**

[Live] 15:00-15:15

Novel Porous Nonmetal-Doped g-C₃N₄ Nanosheets as Active Photocatalyst Towards CO₂ Reduction: Experimental and Theoretical InsightsMahmoud Kamal Hussien^{1,2}, Amr Sabbah¹, Mohammad Qorbani¹, Li-Chyong Chen¹, and Kuei-Hsien Chen¹¹National Taiwan University, Taiwan, ²National Yang Ming Chiao Tung University, TaiwanTuA2-01-6 **Oral**

[Pre-recorded] 15:15-15:30

Tuning the Energy Structure of Heterojunction in ZnS-AgInS₂ Nano-Dumbbells by Cu DopingTatsuya Kameyama^{1,2}, Shuhei Tsuneizumi¹, Susumu Kuwabata³, and Tsukasa Torimoto¹¹Nagoya University, Japan, ²JST-PRESTO, Japan, ³Osaka University, Japan