

**[Session A] Photocatalysis and Solar Cell 1**

<b>Date / Time</b>	November 1, 2021 / 12:40-14:20
<b>Session Code</b>	MoA1-01
<b>Session Chair</b>	Prof. Seong-Ju Hwang (Yonsei University, Korea)

Nov. 1 (Mon.)

MoA1-01-1 **Keynote Talk**

[Pre-recorded] 12:40-13:10

**Photocatalytic Water Splitting and Carbon Dioxide Reduction as Artificial Photosynthesis**

Akihiko Kudo

*Tokyo University of Science, Japan*MoA1-01-2 **Invited Talk**

[Pre-recorded] 13:10-13:30

**Charge Recombination Processes in TiO<sub>2</sub> Photocatalysts Studied by Highly Sensitive Transient Absorption Spectroscopy**

Ryuzi Katoh

*Nihon University, Japan*MoA1-01-3 **Invited Talk**

[Pre-recorded] 13:30-13:50

**Control of Charge Transfer at the Solid/Liquid Interface for Photoelectrochemical Water Oxidation**

Kan Zhang

*Nanjing University of Science and Technology, China*MoA1-01-4 **Oral**

[Pre-recorded] 13:50-14:05

**Sequential Adsorption of CO<sub>2</sub> and H<sub>2</sub>O Molecule on KSCN Modified Black TiO<sub>2</sub>: The Intermolecular Competition Affects Photocatalytic CO<sub>2</sub> Reduction Reaction**Fang-Yu Fu<sup>1</sup>, Tsai-Yu Lin<sup>1</sup>, Chiu-Ching Liao<sup>1</sup>, Putikam Raghunath<sup>2</sup>, Ming-Chang Lin<sup>2</sup>, Chih-I Wu<sup>1</sup>, Li-Chyong Chen<sup>1</sup>, Kuei-Hsien Chen<sup>1</sup>, and Heng-Liang Wu<sup>1</sup><sup>1</sup>National Taiwan University, Taiwan, <sup>2</sup>National Chiao Tung University, TaiwanMoA1-01-5 **Oral**

[Live] 14:05-14:20

**Defect Engineering Enabled Photoelectrochemical Water Splitting**

Zhiliang Wang and Lianzhou Wang

*The University of Queensland, Australia*