

## [TS12F7]

### Sustainable Process and Nanomaterials 3

<b>Date &amp; Time</b>	July 5(Fri.), 2024 / 14:00–16:30
<b>Place</b>	Room 209A
<b>Session Chair(s)</b>	Dong Hoe Kim (Korea Univ.)

**TS12F7\_I\_1 \*Invited** 14:00–14:30

**Fabrication of Cot-Effective Carbon-Based Multiporous-Layered-Electrode Perovskite Solar Cells**

Seigo Ito

*(University of Hyogo)*

**TS12F7\_I\_2 \*Invited** 14:30–15:00

**Research on Safe Perovskite Solar Cells**

Fei Zhang<sup>1,2</sup>

*(<sup>1</sup>Tianjin University, <sup>2</sup>Collaborative Innovation Center of Chemical Science and Engineering Tianjin)*

**TS12F7\_I\_3 \*Invited** 15:00–15:30

**Green Processing of Scalable, High-Performance Perovskite Solar Cells and Modules**

Young Yun Kim

*(KRICT)*

**TS12F7\_I\_4 \*Invited** 15:30–16:00

**Nanomaterials and Sustainable Process for Environmentally Viable Perovskite Solar Cells**

Hee Jung Kim and Hyun Suk Jung

*(Sungkyunkwan University)*

**TS12F7\_O\_5** 16:00–16:15

**Engineering NiO/NiCO<sub>2</sub>O<sub>4</sub> Heterostructures with Tunable Electronic Effects as Bifunctional Electrocatalysts towards Efficient Water Splitting**

Sebastian Cyril Jesudass<sup>1</sup>, Subramani Surendran<sup>2</sup>, Tae Hoon Kim<sup>1</sup>, and Uk Sim<sup>2,3</sup>

*(<sup>1</sup>Chonnam National University, <sup>2</sup>KENTECH, <sup>3</sup>NEEL Sciences)*

**TS12F7\_O\_6** 16:15–16:30

**Microwave Assisted Synthesis of C<sub>3</sub>N<sub>4</sub>@TiO<sub>2</sub> Heterojunction for Photocatalytic Degradation of Methylene Blue and Chlortetracycline Hydrochloride**

Takhmina Kerim, Kuralay Rustembekkyzy, and Timur Atabaev

*(Nazarbayev University)*