

## [TS03T4]

### Nanotechnology for Eco-friendly Energy 4

<b>Date &amp; Time</b>	July 4(Thu.), 2024 / 14:00-15:15
<b>Place</b>	Room 209A
<b>Session Chair(s)</b>	Byungha Shin (KAIST)

**TS03T4\_I\_1 \*Invited** 14:00-14:30

**Interface Geometry and Intra-Crystal Disorder in Perovskite Solar Cells**

Yuanyuan Zhou  
(*HKUST*)

**TS03T4\_O\_2** 14:30-14:45

**Geometric Tailoring of Grain Boundaries Grooves in Perovskite Solar Cells**

Mingwei Hao<sup>1</sup> and Yuanyuan Zhou<sup>2</sup>  
(*<sup>1</sup>Hong Kong Baptist University, <sup>2</sup>HKUST*)

**TS03T4\_O\_4** 14:45-15:00

**Passivation of Pb-Related Defects by Chelation Effect of Carboxylic Acid for Stable Perovskite Solar Cells**

Seongheon Kim<sup>1</sup>, Seong Ho Cho<sup>2</sup>, Kiwan Jeong<sup>3</sup>, Jieun Lee<sup>1</sup>, Yonghoon Jung<sup>1</sup>, Mansoo Choi<sup>1</sup>, and Yun Seog Lee<sup>1</sup>  
(*<sup>1</sup>Seoul National University, <sup>2</sup>MIT, <sup>3</sup>Hanwha Q CELLS*)

**TS03T4\_O\_5** 15:00-15:15

**Base Doping Process to Improve Hole Transport Layer Characteristics of Lead-Tin Based Perovskite Solar Cells**

Jungchul Yun and Sangwook Lee  
(*Kyungpook National University*)