[TS12T5]

Sustainable Process and Nanomaterials 1

Date & Time	July 4(Thu.), 2024 / 15:40-17:55
Place	Room 209A
Session Chair(s)	Gill Sang Han (KRICT)

TS12T5_I_1 *Invited

Defect Engineering of Metal-Halide Perovskites for Next-Generation Optoelectronic Devices Hobeom Kim (GIST)

TS12T5_I_2 *Invited

Metal Halide Perovskite Quantum Dots as Visible-Light Photocatalyst for Organic Transformation Sudarsan Tamang

(Sikkim University)

TS12T5_I_3 *Invited

Highly Stable and Off-State-Free Environmental-Friendly InP/ZnSe/ZnS Quantum Dots Achieved by Wavefunction Engineering

Hye Seon Kim, Yeongcheol Kim, Seongwoo Cho, and Ju Young Woo *(KITECH)*

TS12T5_O_4

In Situ Polymerization of Cross-Linked Perovskite-Polymer Composites for Highly Stable and Efficient Perovskite Solar Cells

He Guo and Hyun Suk Jung (Sungkyunkwan University)

TS12T5_O_5

Completely Annealing-Free Flexible Perovskite Quantum Dot Solar Cells Employing UV-Sintered Ga-Doped SnO₂ Electron Transport Layers

Wooyeon Kim, In Choi, Subin Yu, Seoyeong Lee, Jae Yeon Kim, Jae Won Jang, and Min Jae Ko *(Hanyang University)*

TS12T5_O_6

Control of Bulk Defects in MAPbBr $_3$ Single Crystals via Non-Stoichiometric Reactions for Improving the X-Ray Limit of Detection

Hyemin Lee¹, Beomjun Park², Jangwon Byun¹, Man-Jong Lee², and Dong Hoe Kim¹ (¹Korea University, ²Konkuk University)

16:10-16:40

16:40-17:10

<u>15:</u>40-16:10

17:10-17:25

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17:25-17:40

17:40-17:55