[TS07W1]

Nanotechnology for Eco-Friendly Energy Generation/Storage 1

Date & Time	July 8(Wed.), 2026 / 10:10–11:00
Place	Room 205
Session Chair(s)	Prof. Jung Bin In (Chung-Ang University)

TS07W1_O_1 ***YSA Applied** 10:10–10:20

Facile Hydrothermal Synthesis of Nano Flower CaF_2 Nanostructures with Enhanced Sonocatalytic Activity toward Methylene Blue Degradation

Jamshid Hussain, Kuen-Song Lin, Sayed Maeen Badshah, Sayed Fareesa Hassan, and Amin Hussain
(Yuan Ze University)

TS07W1_O_2 10:20–10:30

Green Laser Manufacturing of Thick and 3D Electrodes for Advanced Microenergy Storage

Changyoung Ryu, Huan Minh Do, and Jung Bin In
(Chung-Ang University)

TS07W1_O_3 ***YSA Applied** 10:30–10:40

Triggered-Degradable Design for Sustainable Transient Aqueous Zinc-Ion Batteries via Cellulose-Derived Polymer Engineering

Yunseon Jang[1,2], Hye-Mi So[1], Seungmin Hyun[1], Areum Kim[1], Minsub Oh[1], Hyunho Ha[3], Jin Young Lee[1], and Soo-Hwan Jeong[2]
([1]Korea Institute of Machinery & Materials, [2]Kyungpook National University, [3]S-CHEM)

TS07W1_I_4 ***Invited** 10:40–11:00

Oxide-Polymer Composite Solid Electrolytes and Si-Based Anode Materials for Solid-State Battery

Mijung Kim[1], Yeonjin Park[1], Jongmin Lee[2], and Boyun Jang[1,2]
([1]ETERTEN Co., Ltd., [2]Korea Institute of Energy Research)